

<211> 272
 <212> DNA
 <213> Homo sapiens

<400> 31198
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 atattgatga attttaaatg acaaggaaat tgccacattg acagaatttt ggtccatcta 180
 tttaaagatg attttttgaa aagatatgca taagactcat attctgacaa gtttcacaga 240
 acaattcaga ggttattacc aagaggatcc ac 272

<210> 31199
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 31199
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 ggctaatttt tgcatttttg gtagagatgg ggkttcgcca tgttgccag gctggtctca 120
 aactcttgac ctcaggatgat cggcctccca cctcggcctc ccaaagtgtg gggattacag 180
 gcatgagcca ccgcacccag tccc 204

<210> 31200
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 31200
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 cattcacaat tgcttcaaag agrataaaat acctaggaat ccaacttaca agggatgtga 120
 aggacctctt caaagagaac tacaaccac tgctcaacga aatcaaagag gacacaaaca 180
 aatggaagaa cattccatgc tcgtggatag gaagaatcaa tatcatgaaa atggccatac 240
 tgcccaagggt aatttgtaga ttccatgcca tccccatcaa gctaccgatg actttcttca 300
 cagaattgga aaaactactt taaagttcat at 332

<210> 31201
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 31201
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 aggccgaggg cwractggag aatgggactg gtgagattca gataggaaga gcaggggaga 180
 aatgggtcaaa gtgagactgg aatcaaaaagg ttggcatttc taaaaactat aattgcactt 240
 aagahgtttt gchaaaggcg atttagttac ccacagttag gracatgggt gcctatgtct 300
 ccagtcactt cccac 316

<210> 31202
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 31202

caagaatgtg	cagaattagt	tatctcccat	gcattccctc	ttaagcattt	ttttctgtag	60
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tctaagcttt	ttaatgtcta	tcttcagtta	tccaatcacc	acttttcatg	aattttaata	180
atattgctgt	atatcttttt	ttcccacaag	agtttctctg	aggttattaa	agatattcta	240
taatttacat	tctcaatcat	gtgcatttga	ctactgtaaa	tgaagatgga	tgtgagggga	300
gggatcagta	tctttttccc	tccattagag	aggtccttgt	tccagcaccg		350

<210> 31203

<211> 241

<212> DNA

<213> Homo sapiens

<400> 31203

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cagcaaattt	gtgtgtatat	ttttgtatcr	wgtaggcatg	actactgtha	cttgtagtct	120
gtctgttttt	ttttgtttgt	ttgtttgggt	tttttggcaa	taaaagtact	ttgtaccttt	180
tagnctaagg	ttgctttttg	ttttttacct	tttcttccat	gcgtgatact	cagtgcagcc	240
t						241

<210> 31204

<211> 459

<212> DNA

<213> Homo sapiens

<400> 31204

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atgagaaccc	atctctttta	aaaaattgac	tttaatcaaa	gaaacctata	attatatagc	180
agtgggacaa	gatagcctct	tttgggcctc	tgtttcatct	gtgaaatgat	gcttttcaat	240
tagatgatgt	gtggcaagag	ccacacggkt	tgagrttcac	matattttgc	aagtgatata	300
taattaagca	atgctgtttt	ctaagggtatt	catgtatata	ttttaacccc	atcctgtaaa	360
attaaagtca	aactttggaa	ataagacagg	tagataccaa	ctggcatgtg	gcaacttctt	420
ggaatctgtc	tttcagaagc	aaaactttat	actgtgcgc			459

<210> 31205

<211> 403

<212> DNA

<213> Homo sapiens

<400> 31205

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ttgtcagata	tgtagtttac	acataatttc	tcccagtatg	tagttttcat	tttcttaata	120
gggtctttca	tagagccaaa	atatttcatt	ttgattaaagt	ctaatttacc	gctttttatg	180
gatcatgctt	ttagtttcag	gtcttattaa	ctctttgcct	agtccwagat	ctcaaagact	240
ctctcctatt	taaaaaataw	ataaaaagtaa	tattgtttta	catattacat	ttattttttg	300
tttagagaca	gggtctcatt	ctgtcaccca	ggctggggta	cgggtggcaca	gtcacagttc	360
actgtagcct	cagagtcctg	ggctcaagtg	atccttatgc	tcc		403

<210> 31206

<211> 221

<212> DNA

<213> Homo sapiens

<400> 31206

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 ctccaaaacc tnnctacata tattacatta tactgtgcga tgtgtccagg tgtgcagtac 120
 taaaathvtg ttagcaatga agcattaaaa tctccggaa gttaaaggcca aagcaagggtg 180
 atgttttccc cataggrtaa ttcccatctt tagnttggag a 221

<210> 31207

<211> 349

<212> DNA

<213> Homo sapiens

<400> 31207

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 atgttaaaaag gtttcctgga gcacagctag aggttgattc atttcaaata tacttggagt 180
 tcttccatat ttttccccta tggccttatt tgcataaat acttttgact catgacattc 240
 ctgctgaagt ttgaatatcc ctccagaaat actgccagta aaacttatag tctattactg 300
 atagaccaga ccttcccttc ttctagtcca rtaattactt ccccataaa 349

<210> 31208

<211> 236

<212> DNA

<213> Homo sapiens

<400> 31208

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 ttgttcccaa gaatcaaatt tcatgtttct agctcctatt aagaatttat ggtctgaagt 120
 atttattcca tttcagtagc tgataacatg agaaatgctt atataattac agaaatgaaa 180
 gcaaaataact agtcattgat tgacagccag taattactat aaggatggca aaacaa 236

<210> 31209

<211> 200

<212> DNA

<213> Homo sapiens

<400> 31209

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 tactgagaaa ggaagggcca agggatgagg tgggaaccgg gccctggggg cgccacagac 120
 taaggcagag actcccctac ctggcgccca gccccaacca gctggccgct cctgcccattg 180
 cttttttttt tttttttttt 200

<210> 31210

<211> 386

<212> DNA

<213> Homo sapiens

<400> 31210

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 agattttctgt acgtacattt aaactttcct ggtttacaaa aggtacccaa attaatctt 180
 ttgtaatcgg attaaacata ttaatgcaat aaagacatta caaaaccttg tgataatact 240
 ttttaaaaaat atactgtttg cttcattgag cttgaactaa taaccagggg ttcttaattgt 300
 atsgacaaat atggtgtgct ttaatttcta ggtgtgatgg twgcaagagg actcttagca 360
 aaccggcca tgtttgctgg atatga 386

004220" 616ET560

<210> 31211
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 31211
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 tatgtgtgtg tttttaattt ttttgttctt atcagcagtc ttgtgttagc actgggtaag 120
 ctttaattgt cccttagcca atcaaacatt aaggactatg gaggcct 167

<210> 31212
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 31212
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 tttt 64

<210> 31213
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 31213
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 gcattttaat attgagatga atcagggagt ttgttaatat tggcagacca tgtaagcaca 120
 tgaagataat ctatcctgaa tagcacagcg agtcatttag aaatccagta gtaggtgtac 180
 actcggacct gtcacatttt ctaaccttta aacattgttt tttgtttctt ttttttgaga 240
 tggaatttcg ctcttattgt ccaggggtgga gtgcaatggc gcgatctcgg ctcaccctga 300
 cctctgcctc ccaggttcaa gcgattcttc tgcctcagtc tcccagtag ctgagattac 360
 aggcattgcac caccaccct cc 382

<210> 31214
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 31214
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 tagaggatca tttgggcctg ggagtttgag gctgcagtga gccatgattg caacaacact 120
 gcacttcagc cttggtgaca gagcgagacc ctgtctcaaa aacaaacaaa aaaaaaaaa 178

<210> 31215
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 31215
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 gtaggctccc aaggccttga gcagcttagc ctctgtggcc ttgttgaacc ctgcagctgc 120
 tatcacagg ttagtgacct aggttttcc aggcacagga taaagctgcc agtggatcta 180
 cttttctagg ggctggagga tggtagcccc ttccacacag ctccactagg cagtactcta 240
 gtgggcactt ggtgtggaga ctccaacccc acatttcctc ctcacactac cctagtagag 300

gttctctgtg agggctccaa cctacagcag tcttgt

336

<210> 31216

<211> 223

<212> DNA

<213> Homo sapiens

<400> 31216

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ggagctagga	agaggttttag	gcaaaactcac	tttattaaac	ctagtttaaat	ggggacctgg	120
ataagtgagg	tgcttgcac	cacgaactag	caggtgcaaa	tggtgggctg	agaacctaga	180
tttcccamyt	cccaattccc	aattctggtc	cccacccgca	tga		223

<210> 31217

<211> 453

<212> DNA

<213> Homo sapiens

<400> 31217

catgccatca	cacctggcta	atTTTTtatt	tttwgtaggg	ttgggctttc	tccatgttgc	60
ccaggctggg	gttgaactcc	taggmtcaag	cgatctgcct	gcctcagttc	ccaaagttag	120
aacattatag	gtcttgataa	ggagtttgta	tttcattctg	agtagccatt	gggagggttt	180
taaagctggg	gagtaaagcc	atctgcttta	ctttttaata	aaatcgctgt	ggcttctggg	240
tggggaaatg	gatgattgaa	gtgggggcaa	aggtagggac	aacaacattg	aaagaaggcr	300
aaacaattar	nagtaaattg	ccgtagtggt	gccccatcac	ctcacctgaa	ttccttctcc	360
ttagaaattc	ttcgttgtct	cctctagcac	attgatcatc	gcatttgrrt	cttgttctag	420
tcatatTTat	acttaattag	tgctttgttt	aac			453

<210> 31218

<211> 336

<212> DNA

<213> Homo sapiens

<400> 31218

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tactttgaga	gacacaaact	ttctttacatg	gcatttgagg	tttcccagcc	tggtatgttgc	120
tttacttttc	aaaaggacct	actactaatt	ggagaaccag	tggtattaca	ttccatgttt	180
tttttttctg	gaaagatagg	cagcttggtt	aacagatttc	ctgtaggaat	acgaactctg	240
ctctttacatg	caggtataca	ggccttccaa	agaaatacag	tattttaagt	ctgatccctg	300
gaccactggg	ggcacacttc	aaaaaggcaa	aaaaga			336

<210> 31219

<211> 412

<212> DNA

<213> Homo sapiens

<400> 31219

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agaagaaata	tcatcaagga	ttattctgat	tatgcatcac	aggtctatgg	acctctgtct	120
cgtcttgggt	gtttcccaga	caacaactca	gaggactttg	tagtaaaaaa	ctactatctc	180
aacacctatg	aaggattagt	ggaacttgag	tcatgtctcc	cagattttgt	gacacaaccc	240
caaatcagag	ctccaaaacc	taaagtcatt	accaccaaag	ctggttttct	gaagagggca	300
gcaaggttgg	actatgagtt	ggcagagggt	cataaggcac	tggtggataa	gaagaataaa	360
gttcttgaag	taaagaaacc	ctcgcttcct	tcaaagaaac	ccaatacctc	aa	412

<210> 31220
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 31220
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 ttaggaatga atatatacca ataactcaca tttttcaata attcatataa tcacatcaaa 120
 attcctatth tggggtcagt aaatactgtt ttcaatctta atttcttgga tttacttatt 180
 agtttagata agtaaaacct taatggaagt tttgaaatgt attatagatt tctgaaacat 240
 ggcaatttgt ttactgaggt caaaacttca gatggagaga ttatttttta aaaataaaat 300
 agttacgtgc ttgtagcctt tttacataac ttgaattgca gaagattttc atttctcttt 360
 aaaaattatt aggcttttgc caagttggaa acga 394

<210> 31221
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 31221
 gtggggacga ctcttctgga ggaagcagcg cgggcttgac cggcgctcggc ccgccgcctc 60
 cgctgccgct tcgcccacat ccggtccct 89

<210> 31222
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 31222
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 attgtcagca atttggtgcc ttgactaatg cctagccttt catttttgca caccattgaa 120
 actttaatgt tagtgcaatc tgctgccagt caagccatgt aaaatgaaaa aacttctagc 180
 acggtt 186

<210> 31223
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 31223
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 taattgtgca tatttatgga gatgattkga ttttatatag ataattgtgta ttccatgcaa 120
 tatgacaaat tattgtttca gaccatggat accattttct gtattgaaca ggaatcatga 180
 tgtctactac catctcactg tcggattggg ggagcaaaaag attatttggg tcagcattag 240
 tgttcttttc tgcttgattt tctttgctct gtgttttctt ttaagatcag gagtaaacct 300
 cagtaggtca tkratagttc agagacatag acctgaatta catgaccak attaatataa 360
 cttgtttcgt gttgkgcaat cttttctgga ccatctacct gtgagt 406

<210> 31224
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 31224

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atattccatg ggaaaagggg ggttctatgg tcaaggaaca gggtagacta ttccctcacc	120
tcttgcttct agtttccttt gtgacatctg aaatattatg ttctttattc tgatttaatt	180
tttggttggt gattatgtat cccagctat catgtaagcc ccccg	226

<210> 31225

<211> 244

<212> DNA

<213> Homo sapiens

<400> 31225

catgcagtga acttttttgt gttgttttgt tttttaagag acagagtctc actttttt	60
cccaggctgg gcaatggtgt catcatagct cactgcagcc tcaaaatact gggctcaagc	120
aacactccca cctcagcatt tcaaattgat ggaattatgg atgcgtgccca ccatgcccag	180
ctaatttttt ttaagagatg gggctcttct gtgttgmncc atctggtctt ttttttcch	240
atat	244

<210> 31226

<211> 204

<212> DNA

<213> Homo sapiens

<400> 31226

acaaagagac acagacaggg gactgtcagc ygggaccgga ggmgcggaca acgagttatc	60
agcaactsaa agcacctgab gggcgcgaca ttccancccc agcccagtc tctctctcca	120
cgccagcncc aagcatgtsa gtaacccaac ttctcccttt ctctctccca gactctgcgg	180
gtccttttct gtcccccttc tctc	204

<210> 31227

<211> 171

<212> DNA

<213> Homo sapiens

<400> 31227

ttataatgaa tagttcgggt gcgttttgtt tactcctaaa aggtttcttt gcgtattttc	60
taaatgtaat atctcgggga aaatattaga aaagcacgta attagctgaa gaatgtaact	120
tgtagtccag ctctgcagct tccttaaact taagaaaaag attgggccag c	171

<210> 31228

<211> 335

<212> DNA

<213> Homo sapiens

<400> 31228

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tttggtcca tccccctcaa aaacaaaaca aaaaaatcca tttaaagtgt cctcctagaa	120
aagcctcaga actgccttca actacatctg tcacctttat agmbcatttt gaaattctgg	180
aagaggatgg gaaacaaaat tctaatttag ctagagctgt gatcccaaaa taagtgtga	240
caaaattgtc taccacagaa aggcgcgtct tgtcatcttg taggcacac tgctgctaaa	300
tcacatcagt acatgccttc tgtggggaga tggca	335

<210> 31229

<211> 378

<212> DNA

<213> Homo sapiens

<400> 31229

cttcccagtt	tgctgggtgc	tttgtttgaa	atgttctttt	cctcaaattt	ttgcttaact	60
actttctctt	tttggttttg	tttgtttgct	tgtttgtttt	ttgagacgaa	kytcgctctg	120
tcgcccaggc	tgagtgagc	tggtgtcatc	tcggctcact	gcaacctccg	cctccccggt	180
tcatgccatt	ctcctgcctc	agcctcctga	gtagctggga	ctacaggcac	ccaccaccat	240
gcctggctaa	ttttttgtat	ttttagtaga	gacgggggtt	caccgtgtta	gtcaagatgg	300
tctcgatctc	ctgaccttgt	gatccgcccc	cctcggcctc	ccaaagtgtc	gggattacag	360
acatgagcca	ccgtgtcc					378

<210> 31230

<211> 157

<212> DNA

<213> Homo sapiens

<400> 31230

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gctcctggag	gacatttcga	acacaccgtg	aggggggaagg	gaagctgctg	tgttgaaggt	120
gcttctbgaa	tagtatkttc	atctcgtcca	ctttttt			157

<210> 31231

<211> 190

<212> DNA

<213> Homo sapiens

<400> 31231

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aaaaaaatcc	attcttactg	aaataaaaga	atccttgtgg	ccaatatacc	ctgctgacga	120
aacaggaggc	cncaggaggt	gtgctggaag	agccatcctc	ctctcttcag	cctcctacca	180
tagtggtgcc						190

<210> 31232

<211> 356

<212> DNA

<213> Homo sapiens

<400> 31232

tatatgctta	gttggaaacca	atagaataaa	taatgctgtt	gattgcctgg	aatgtgaagc	60
caggagcaac	ctgtttctac	tcacgatgac	ttttctamct	cctgggtttg	cttaattaag	120
cgtgtgcac	ctccttgccc	tcttctgttc	gtcagaagat	ccttgatgta	tgggagattg	180
agtcaacagt	caggaagget	ctgagtgtcc	cagtggaaagc	catttctcgc	gttgccggag	240
ggttcttagc	caccatatct	gtgggggtgc	tattagtcag	ggttctctag	agggacagag	300
ctaataggat	agatgtayat	atgagaggag	tttatttagg	agtattgact	cacaat	356

<210> 31233

<211> 230

<212> DNA

<213> Homo sapiens

<400> 31233

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ggtggctcat	gcctgtaate	cctgcacttt	ggaaggctga	ggcagatgga	tcacctgagg	120

ttgggagttt gagaccagcc tgactaacat ggtgaaaccc cctctctact aaaattacaa 180
aattggccgg gcgtgttggt gcatgcctgt agtcccagct actcaagagt 230

<210> 31234

<211> 247

<212> DNA

<213> Homo sapiens

<400> 31234

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gtaatcccaa cacttgggga ggccgaggca ggtcgatcat ttgcgccag gagtttgaga 180
ccagcctggg gaacacggca aaacctgtc tctatataag ataaaaaaca aaaattagct 240
gggcgca 247

<210> 31235

<211> 438

<212> DNA

<213> Homo sapiens

<400> 31235

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tcttgaksnw tggctgagcg ctgttgctca ggctgtaat ccagcactt tggaaagccg 180
agggaggtag atcacctgag gtcaggagtt tgagaccagc ctggccaaca taatacaaaa 240
attagccagg tgtggtggtg ggtgcctgta atcccagcta ctcaggaggc tgaggcagga 300
gadtgtcttg aacbmaggmg gtggagggtg cagtgwgcc agatctcgcc actgcactcc 360
agcctgggcg hcagagcgag actctgtctc aggggggraa mmaagwtttt gaacccccca 420
aartatcaca tatctagc 438

<210> 31236

<211> 264

<212> DNA

<213> Homo sapiens

<400> 31236

atgaaaggak trwtaaaawt gaccattggt taaaaaatat aatagggtgat tttaatatca 60
gtgatcaggg acaaaaatat aaataatgat ttggaacagc aaaggagaa acactaagaa 120
aaacacaagg aaatggagtg aaatgatcag aagcaaaaaca taatttgttg aaaatggagt 180
aagtgcagga gcaaaaggag taaatgtaag agaaacccta ttcaaagaaa taatagaaga 240
maactcattt gagctgaagg aaaa 264

<210> 31237

<211> 349

<212> DNA

<213> Homo sapiens

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tcaacagtag taacatcatt gacataaatg tttagccttt cagcatatta aatctgaaga 120
gtatagcact tttctaaata tatatcctgt cacgtttgtt atgtttatct cttacctaag 180
ggtcttctaa ttctttaaat gtacagataa aattttctcaa aacttttgcc cggttccaac 240
accctataga tgcagtatga gtgcatcacc agtagatgac actattgtat atttaataac 300
aaactagatt cttgtttttt taagatgaat cagatacaaa ggcagctct 349

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 <212> DNA
 <213> Homo sapiens

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 taatttgtaa atgcttttaga gtttttttaa ttaacaottg tgttgctaaa ttctatttat 180
 gtaagtctgc taaagttttt tagcccaactt aaaactttaag acaaccattt aaaataatgg 240
 atgggttact atgagcaatt tcgcttttcag aaccccccttg ttttagtata tgaaaaagcc 300
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 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 31239
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 gggagggctc caggcctttt tgaaggggtg ggagattgag atcattaaat atgggtgaag 180
 ttgaactgtt cagtttgctc ataggttcaa gattggggaa tggtagtcat attttattaa 240
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<210> 31240
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 31240
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 tcccactatg ccacgctgc 139

<210> 31241
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 <212> DNA
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 gaagttgtac ctgtgccctg gcgtaacgtc agtggaagct gccccgagtt tggggcttta 180
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 agaggctctg ggaaactcag cctgtgacct cagcgtgggt gaagatagga tcaagatggc 300
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<210> 31242
 <211> 262

<212> DNA

<213> Homo sapiens

<400> 31242

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gagtgacccg attttccagg cawgcttaca cacaggacat agttcagaag gcattagaag	180
gcatagagta aaaagggatg gaagaagata cttggaaaaa tcaggaaga gtgaagaaga	240
tacttcaaaa aatcggggaa ag	262

<210> 31243

<211> 222

<212> DNA

<213> Homo sapiens

<400> 31243

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gattgtttta cttgtaacct atgatttggt tttagcatta acggttgtct gaagatctat	180
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<210> 31244

<211> 255

<212> DNA

<213> Homo sapiens

<400> 31244

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agtcccagca ctttgggagg ctgaagtgtg aggattgttt gaggccagga gtttgagacc	120
ggactgggca agaaagtga cctcatctct agaaaaattt ttttaaaaag ctgggtgcag	180
tggcatgcac ctgtagtccc agctacagaa agctgaggtg ggaggatcag cttgggtgac	240
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<210> 31245

<211> 350

<212> DNA

<213> Homo sapiens

<400> 31245

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kggaaaaaaa aacgttgctg aagttactag aaaagagaca gttcttctgc tgacaactct	180
tcaggaaata attttctacc tccttaggat tcgaagacca gttcattcct agtgtcttct	240
gaaataaaat tagaatggat tgggatgatg aatattctca taattctttt gacctacatt	300
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<210> 31246

<211> 302

<212> DNA

<213> Homo sapiens

<400> 31246

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tctastaaaa aatacaaaaa attggccggg cgtgggtgacg gtcgcctgta atcccagcta 180
 ctccgggaggc tgaggcagga gaattgcttt gaacccggga ggtggwbgtt gcaatgaggt 240
 gagattgtgc cactgtattc cagctggggc aacaaaagta aaactcagtc tcaaaaaaaaa 300
 aa 302

<210> 31247
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 <212> DNA
 <213> Homo sapiens

<400> 31247
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 sccaaatggg ggctattamc acttagcact acttcagacc agccagtgag agtcaggatg 180
 cacagggaag gagaktggga gaccctggaa gggaacttct aggtcatctg gttaattttc 240
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 gacatahcta gtcttttaca ga 322

<210> 31248
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 31248
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 aactctgac cacactgaag cttgagaacc gcttccctct actccctgaa gcctttccag 180
 gcattttctcc tttagtccaa gggagtcctg caggctgttg acgctctgac taccgcctta 240
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<210> 31249
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 31249
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 tatgtttaag atttttat 78

<210> 31250
 <211> 242
 <212> DNA
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 cccatgagca agatgacaca cttttggaaa aacagaagct attctgggag gtacatgaat 180
 atgttcacat tttatcacta agtttcattt aatatgcctt attagtaata agcatgtata 240
 cc 242

<210> 31251
 <211> 268

<212> DNA
<213> Homo sapiens

<400> 31251
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ctctgcaact caciaagtac ccttagaaaag aggccctcag aagagtcttc tcttaagaag 180
ataaagaagg tagtggaac gaacttcctg agcttttcag gctctaattg ctgaagaatc 240
aagaaagcct tcagcccat cccaccca 268

<210> 31252
<211> 151
<212> DNA
<213> Homo sapiens

<400> 31252
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ctggaattac aggcattgatc aaccacccca agtccagaat ttcctaacad ggtctcdaga 120
gatgaagggtg ctactgttca gtgaccctc a 151

<210> 31253
<211> 301
<212> DNA
<213> Homo sapiens

<400> 31253
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ggtgatataa aacttgagat gccacaatga agaacaatta aaaatagaga ttagaatttc 180
ttgttgagaa acatttttaga aacatttttt tcttcagcat accactgtta ccaaatagct 240
tggaacaga gttagccatt gcaatggaaa atgaatttga aattcaccct gtaagtgtca 300
t 301

<210> 31254
<211> 416
<212> DNA
<213> Homo sapiens

<400> 31254
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tatatcctga ggactttatg gtttttgccct cattttttac ttgctagact tgaatatgtt 180
tgttaatgtc cgtagtccag aggaagagga tgtgagggca tgataaatca gttcagctct 240
tatcttcaag ttggttttat gagtcaactga agtaatacat ttttatcccc ttcctttaaa 300
aaggcattgg aagtatttat gaaatcaact gatagtgatc atgctttaaa catataaacc 360
attgtgtaaa ttctaaatcc atttagmcta tctaactata ttattttagtag gvcctc 416

<210> 31255
<211> 215
<212> DNA
<213> Homo sapiens

<400> 31255
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ctcctgatgg	tttgggtggt	tatggtaagt	atctctagtt	cagtttgtgt	tagtccgcat	120
atgtagtgca	aacttttaaag	tgcaggtatt	acttttatta	ttttatgcag	atatctcctg	180
ctgagtgatt	cttaatatct	ttttcttaag	gccgc			215

<210> 31256
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 31256						
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gaaaccwwgc	acacgtaagg	tacaatatgt	tagactctgt	gattttgttt	tcaaaatcct	180
ctgttatggc	tatatTTaaa	tttattttaa	atattcctgt	atgtattcat	ctaagcatth	240
bggcatttgg	agtcttaata	tacaagaaac	acgtacttaa	atTTTTatgc	ttatcacccg	300
aatgatggca	aacagtgatt	ttttttttca	tagtttaggt	gtcattgttg	ccagcacctt	360
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<210> 31257
 <211> 420
 <212> DNA
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<400> 31257						
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ctatctgaca	accagtccca	gcccctgctt	acattccaga	cagacacaga	ctacaccaca	180
ggagagaaga	ttttaacctg	tgtcttactt	cctcagctgc	cttctgaacc	tacttgtaa	240
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tggaacgagc	gtgctgtcaa	cagagtcagt	gcgatccgat	ttgtggagga	tgagaaagat	360
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<210> 31258
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 31258						
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gcacctaatac	tactccca					78

<210> 31259
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 31259						
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aaaatctgaa	atgtccag	gagcatttct	tttgagcatc	acgttggcat	ttgaaaaagt	180
tatagaccgg	gcatggtggc	tcacgcctgt	actcccagca	ctttgggagg	ccaaggcggg	240
cagatcacat	gaggtcagga	gttcgagacc	agcctggcca	acatggtgaa	acctgtctct	300
actaaaaata	caacbattag	ctgggtgagg	tggcaggcgc	ctgtaattgc	agctactcag	360
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gcctctgcat t

431

<210> 31260

<211> 215

<212> DNA

<213> Homo sapiens

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ccccacagcc	tgaccacac	gcatgctgcc	taccgtgtcg	gaatgctggc	actggagatg	180
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<210> 31261

<211> 328

<212> DNA

<213> Homo sapiens

<400> 31261

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aaatccagca	tctctccatg	ataaaacctc	aacaacctag	gcatcagagg	aacataacctc	180
aaaatagtaa	gagtcattta	tgacataccc	acagccawca	tcctcctgaa	tgagcaaaaag	240
ttgaaagcat	ttcccctaag	aaccagaaca	agacaaggat	gtccactctc	accattcctt	300
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<210> 31262

<211> 353

<212> DNA

<213> Homo sapiens

<400> 31262

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tttatcactt	actcccaaaa	gtttttccaa	agtcaagaat	aattatagaa	ctatgagagt	180
caggatggca	aaatctgtca	tccatttctc	tgggtgggtta	gggctgagaa	aaaaatgtga	240
tccactctca	tgggtgggtta	gagctgagag	atagagaggc	ttaatttggg	tttacctatt	300
ggccctgagg	atccttgacc	aaatttttat	gaactttaat	ttcttagggt	agt	353

<210> 31263

<211> 390

<212> DNA

<213> Homo sapiens

<400> 31263

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aaatagaaaa	tgtattaaaa	tgtctaggct	tctgggagga	agttcttata	ctcttctttc	180
ttggcattag	aaagaagcaa	tatgaatttt	tgtgaatatt	ctaaatattc	aggcaacact	240
gttcagattg	atttaggttt	gtcttaacca	atgttctttt	tttagaattt	caggttgtgg	300
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acgcagattt	taatgtcttt	aaagcttcct				390

<210> 31264

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<211> 333
 <212> DNA
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 gatcccagga ggtggagggt gcagtgagct gacaacatgc cactgcactc catcctgggc 300
 gagagaggga gattgagtct caaaaaaaaaaaa 333

<210> 31265
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 31265
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 agcat 125

<210> 31266
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 31266
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 aaagcaattt ttctcaattg ttttaagagga aagcagtaac tacatcatgt gcgctaaaat 240
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<210> 31267
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 31267
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 actatattcc ttacataata tcattgtcat catcatcttc atgttttctc ttcagtgagg 180
 ttgcttcatt ggctgtgttc tgtgacgaaa ccatgttggt ggtaataaga rtatttttgg 240
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 acagagaaga aagcccccca aaa 323

<210> 31268
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 31268

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ttggcaattt	cttactctct	tgccaacttg	taggtgcttt	tsggaaaatg	tttttcatat	180
ttcatctagc	attttaaatc	attttcaaga	gaagggtctg	cctgacatgt	agcccactat	240
gctattagaa	atggctgccg	cga				263

<210> 31269

<211> 119

<212> DNA

<213> Homo sapiens

<400> 31269

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aactcccat	ggaattaatt	ctactttttg	gtatgtcttg	ctgacctctt	aacccccct	119

<210> 31270

<211> 242

<212> DNA

<213> Homo sapiens

<400> 31270

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tatgtgtttt	gccagggcta	ataagttatg	gwrrcacaat	tcraaatagg	tctgtagctt	120
tggttttgaa	tacctgggta	gtgagtaaaa	ttttcatttc	atgtgggtgt	ttttrsatag	180
ttgtaatcca	agcagtaaca	cttacaggaa	gattagattg	tcagtaatgt	gaacagtaga	240
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<210> 31271

<211> 151

<212> DNA

<213> Homo sapiens

<400> 31271

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actctatggt	taccttatgt	aagggtgcat	ttactgattg	tgagatgaat	acataattga	120
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<210> 31272

<211> 99

<212> DNA

<213> Homo sapiens

<400> 31272

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gctgcggggt	ggacaagctt	gctctaaatt	ctgtcccg			99

<210> 31273

<211> 201

<212> DNA

<213> Homo sapiens

<400> 31273

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ctgcttgtct	ttcttgagct	ttttggaagg	ataattctga	taaggcactc	aagaracgta	120

caaccacagt gctttcttca aatcatatga gaaatactat gcatagcaag gagatgcaga 180
gccgccagga aaattctgag t 201

<210> 31274
<211> 281
<212> DNA
<213> Homo sapiens

<400> 31274
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tttgttttca tttcttaaga agagaacata ggccattgac tttagatctt tctttttttt 120
ttaaataatg agcatttata gctgaatatt tctctttaag cactgttttt gctgcatctt 180
acaaattttg acatgtattt taattattat tcagttccat attttccaat tttccttgta 240
aacacattat tgatccatgg attatttaga agtttgtkgt t 281

<210> 31275
<211> 201
<212> DNA
<213> Homo sapiens

<400> 31275
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ttcaggatcc cctttagtca gtcactgacc accagcttca tctcgttgcc actcccttct 180
gattcttcat cccccgcta t 201

<210> 31276
<211> 274
<212> DNA
<213> Homo sapiens

<400> 31276
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gtctcatttg aaaatctttc atgatgcttt gtgggtattca cagtgaagtt tagattccat 180
ggataagagc atcaagtcct ctataatctg gtctctgatt ctctgttttc tttttatcct 240
gcacacacac acacacacac acacacacac acac 274

<210> 31277
<211> 312
<212> DNA
<213> Homo sapiens

<400> 31277
agattgctgt caggtaaatt agggagttgg tgggaggccc gttgattagg attaaagagct 60
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gaggagagtc aaagaactag caggcgagaa ctaatgaagt cctagtttag agttggggta 180
ggaagaggtg gttggaggat tcagtgatca ttactgtagt tgttaaatacc aggtgcttgt 240
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acagcatcac tg 312

<210> 31278
<211> 301
<212> DNA

<213> Homo sapiens

<400> 31278

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cgttcaccta	gtcaacacga	ccgcgtgtgt	tgcccctgcc	ctgggctccc	cgccatgaca	180
tcttcacctt	gcagcttgtg	ctgagactga	cccaagtgca	gctagcactg	ggacacagat	240
ccttgtcttc	agcaccttcc	aagaagccaa	cttttattcc	ctttcctctc	cccccccac	300
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<210> 31279

<211> 336

<212> DNA

<213> Homo sapiens

<400> 31279

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tattaaatct	ctttgctttc	tggttaagctt	agctttttaa	atgcattttc	ccttgtcctg	180
tctttaacta	gatatacatg	cttatattta	tagtgggttt	cacagactat	aaaattgaat	240
gtatgaaatt	tttattttata	tcagtgcctt	taataatgaa	gatatttttg	gagtaatggt	300
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<210> 31280

<211> 160

<212> DNA

<213> Homo sapiens

<400> 31280

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<210> 31281

<211> 131

<212> DNA

<213> Homo sapiens

<400> 31281

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ctcgatggct	g					131

<210> 31282

<211> 171

<212> DNA

<213> Homo sapiens

<400> 31282

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tagattccca	ggaacatgca	aaatcctttc	tttcttatct	ctttagctct	ggactgtgat	120
tggcaaggtc	cttcttccag	cattcagccc	agctaagccc	ccaggtgcct	a	171

<210> 31283

<211> 213
 <212> DNA
 <213> Homo sapiens

<400> 31283
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 tgcttttagcc tgggcgatag agcaagactc catctcaaaa aacaaacaaa caaaaaaaaa 180
 ackgcttcac cactkggrga ccaagcacc aga 213

<210> 31284
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 31284
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 attttgacag tttgctactg tctaataatt gagatacagt atctgamata tttttgcagg 180
 gcctatttat atgcatagca agtctctctt kttmgtgggt tatgagactc caccctcatt 240
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 atcaaagatg ggadccatca tmagctaata ataccatccc a 341

<210> 31285
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 31285
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 tttctaaata tttttgtgct attattttta ttaamattat gttcctgatt tggctctcag 180
 cttgaatatt tttgatgtat agaaatggta ctgatttttg tacattttatt ttgtatcctg 240
 aaattttact gaagttgttt atcaggtcta ggagcctttt gggggattct ttagggtttt 300
 ctaggatatag aattatatta tctgtgnkga gagagttyga cttctcctat ttggatactt 360
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<210> 31286
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 31286
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 agcttccacc aatgatgatg gattttacgac tacctatcaa ctaaaaaaac agacgtaagg 180
 aacagaaaca gcaagaacca gaaagaagac tggatataga taaacacaca catctcttca 240
 gatgaatcta ctttgtctt tctgctgtt ttgtctt 277

<210> 31287
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 31287

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ggctcctctc	ctctttctat	tctctccamc	ccatctgttc	ccctacttcc	ttcaaagcac	120
acatagacac	acacccccga					139

<210> 31288

<211> 200

<212> DNA

<213> Homo sapiens

<400> 31288

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agctgactgg	caagttcgat	gtagctccc	gggacactca	gcagcgatgg	tgagcatttt	180
ggtttcctta	aggcccaact					200

<210> 31289

<211> 286

<212> DNA

<213> Homo sapiens

<400> 31289

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ctgtggtag	ataggcattt	ttaggcttca	atacctttta	ggttccacat	ttattgggtg	180
tttaanataa	acacccaaat	taaagtcaga	ggctaaaagg	tacctgtaga	ttccatgttt	240
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<210> 31290

<211> 265

<212> DNA

<213> Homo sapiens

<400> 31290

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taggcctcac	tctcttgccc	aggctggagt	gaagtggcgc	agtggcacag	tcatagctca	120
ctctaacctt	gaactaactc	ctcaactcaa	ctgacctccc	tgccctcagcc	tgccaagcag	180
ctgggattat	agacatgagc	caccttgccc	agctcagtat	cattttttcac	attcaagcta	240
atgaaataat	tcaatagaat	taaac				265

<210> 31291

<211> 232

<212> DNA

<213> Homo sapiens

<400> 31291

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ggataatggc	ttccagcttc	atccacgtcc	ctgcaaagga	catgatctca	tttccttttt	120
gtggcgcat	agtatctcat	ggtgtatatg	taccacattt	tcttcatcca	gcttttgtgat	180
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<210> 31292

<211> 325

<212> DNA

<213> Homo sapiens

<400> 31292

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gccgagagga	ggtgtgggtg	ttccgcttcc	atcctaacgg	aacgagctcc	ctcttcgcgg	180
acatgggatt	acccagcggc	tgctaacccc	tctcctcgcc	ctgctcccc	aaaccggcgt	240
ggctccccgg	gcaccaagga	gctgactaca	gaggagcagg	atttgcamcc	ctcgtctgggc	300
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<210> 31293

<211> 290

<212> DNA

<213> Homo sapiens

<400> 31293

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gcccattaag	aattttaaga	gatctaaaag	tgtgaccac	aattgatgat	tttattatct	120
tcacttcagt	gataaaattc	ttcaccctcc	tcattccata	atattctgct	gctttcacct	180
gaagttcgcc	aggtatgatt	aaacattgag	taattcagac	caaagcttcc	agatatctag	240
taacaatata	cactagtcaa	aaaacaagat	cacacacaca	gacaccacac		290

<210> 31294

<211> 356

<212> DNA

<213> Homo sapiens

<400> 31294

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caataggggt	ttttgaggta	aaatttgtca	atcttaagt	tacagtttga	taaattctaa	120
caaatatata	cactcaggta	atcacgctaa	taaacataag	gaatattttc	atcatcccag	180
caaattctct	cttgccactt	ttcagttttc	tctttctacc	tccagaagaa	atcattgttc	240
tgattctata	atcgtgagtt	agttgtatta	aagcaaattg	aatcctatag	taactagtgc	300
tctttgcatt	ggttcctgtc	acttngwagg	atgtctttga	gattcatctt	cctctt	356

<210> 31295

<211> 296

<212> DNA

<213> Homo sapiens

<400> 31295

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tcaaadtbat	cttagggatg	cctagatgca	taatttttac	caggacatat	tgaaaaatatt	180
gcaaagagat	agccagttat	attatcccat	tcattagaaa	ttaccagtgt	aactaaacat	240
aaatattcca	gntnagagt	cttaaacgta	gctatctttc	ttaaggccag	gatggg	296

<210> 31296

<211> 236

<212> DNA

<213> Homo sapiens

<400> 31296

aaactggctg	ggcgtggtg	tgtgtgcctg	tggtcccagc	cactcgggag	gctgaggcag	60
------------	-----------	------------	------------	------------	------------	----

gagaatcgct tgaacctggg aggtggaggg tgcagtgagc cgagatggca ccaactgcacc 120
 tccagcctgg tgacakagcg agactccatc taaaaaaaaa acwgggtgagg ggatarattg 180
 tggggatgtg gcagctatct taggtgggtct gggaaavctg ctccctgggt gtccta 236

<210> 31297
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 31297
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 cagagamtga ctgtcccaaa cagtattttc ttctaggatg gaagcgggtg gaagttatct 120
 tcaagtctct atccatcagg acagatgcag gaattatttt aaaacgtgta tggtaagaat 180
 ttcagccaat gtagtttaaa ataagatgcc cat 213

<210> 31298
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 31298
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 gtatttgtgc atggctaa 78

<210> 31299
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 31299
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 ttga 64

<210> 31300
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 31300
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 tgasccaaga ytgcgccact gcactccagc ctgggcaaca gagcaagact ccatctcaaa 180
 aaaaartaaa taagccgggc acggtddytc acacctgtaa tcccagcact ttgggaggct 240
 ganncggtg gatcacaagg tcaagagatc gagaccatc 279

<210> 31301
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 31301
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 atgctgttgt tgagttacat tattaataaac agtgaattta atattgcatt acttaattct 120
 ttt 123

<210> 31302

<211> 282

<212> DNA

<213> Homo sapiens

<400> 31302

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ttggcaaata tttccaagac aatgtaaacg cgcgcgcgcg cccgggtgag ggccgcgctt	180
cgcacctggg actttcctgc caggactctt actttgggat ctaaactttt agtttctagg	240
ataccagctt actgggtttc agagaacatt tggccagcac ct	282

<210> 31303

<211> 278

<212> DNA

<213> Homo sapiens

<400> 31303

ctgaattcta acagtgctaa attacattca agtccaggaa gatcacctgg aattaatggc	60
atttcagttg gcaggcatca ttcccamccc tcgggtctta ggaaaaggag gtagaagccc	120
cagaaccaca cggcagagat cagcaagttt tgtctcaagt cagacaaggt ctaggtggcc	180
ttggccttat gcaaagtng tgacatatatt gattatatatt ccctttacct ccatagtagt	240
caggccagca gcatggactg caagaacctt agggagct	278

<210> 31304

<211> 146

<212> DNA

<213> Homo sapiens

<400> 31304

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cttgtgcctc agcctcccaa gtagctggga ctacaggcat gtgtcaccat gtcagctaa	120
tttttgtatt ttttgtaaag acaggc	146

<210> 31305

<211> 250

<212> DNA

<213> Homo sapiens

<400> 31305

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ataattgagc atatttcttg gaagttgaga actttgttct ccaattattg tggcttaggt	180
gattgatagc aaacattcaa aaacatacaa agataaaca aaatattcaa agttctacaa	240
ggcacaaaaat	250

<210> 31306

<211> 234

<212> DNA

<213> Homo sapiens

<400> 31306

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agaacacatg vnngtcavta trtgtamata caggatgagc targacagag gggcccttct 120
 ttcacacnac ttaaattagt tcccanktta rccttgtttg agattgactt ctggagagtt 180
 aaakkccaga tagrcttaac tctcctaagt cagggtgagac tgagagctga ctgc 234

<210> 31307
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 31307
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 ctttatgttg ttttttttgc ttatccatat tctaggctgt actcctgctc gcatacagag 180
 caactgtcaa ctttccttaa actcagcaag ccccaaatta aaacctgcaa ttccttgraa 240
 ttaactcccc gca 253

<210> 31308
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 31308
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 ctatagaagt tcacactgct gaagrtgtty ccaattgctg tagaagtgca tgcgatttct 120
 gaggattatg atatagagac agaaaacaat tcctctgaga gtctccaaga ccaaactgat 180
 gaagaaccgc cagctaaact ttgtaaaatt cttgacaaga gccaaagctt gaatgtgact 240
 gccaaca 248

<210> 31309
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 31309
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 ttgcagttag ctgagattgt gcmactgcac tccagcctgg atgacagagc gagactccgt 120
 ctcaaaaaaa aataaaaaa aaaataaaaa ataaaaggat agatggctaa atataaaatg 180
 tgaacttaaa actatgttac ccagtgagag catcaaatgc aa 222

<210> 31310
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 31310
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 gatctaagaa gtgtgttcat gcaacagcca tagagatggg gctattgama ggcaatctgc 180
 ccacctctgtg tattgacaag catcaggatt ccaggaggat tcttcctgat tcaaagactg 240
 tcaaataggw wamaagaaaa cagtawatgr acawraacat caacatggag tccgga 296

<210> 31311
 <211> 69
 <212> DNA

<213> Homo sapiens

<400> 31311

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acactatcc 69

<210> 31312

<211> 245

<212> DNA

<213> Homo sapiens

<400> 31312

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gttttaaata cacggattca ctccctaaac ccagtttctc agaagattaa tgaatagtca 120
tctgttgac ccactgtgctt ctcttcttca catcgttttg tgcggatgag gcacacacag 180
acacagagtt ctcacnngca gcagtccggc acatacagcc tcacacgcgc cacaccaggg 240
ggtgt 245

<210> 31313

<211> 58

<212> DNA

<213> Homo sapiens

<400> 31313

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<210> 31314

<211> 245

<212> DNA

<213> Homo sapiens

<400> 31314

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agcaggaagc ctggtgtgaa atcgcacttg gttacettca ttaccttgat gtgtggtagc 180
tgatctagga atgcagcctg aagaaatcag cacctcctag atacagaatg aacagaaggg 240
ctccc 245

<210> 31315

<211> 149

<212> DNA

<213> Homo sapiens

<400> 31315

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taaaatacgt aatccatttt agttgtgaaa atacaagata atTTTTTaaa atagccataa 120
tctaaattta cttttttctt ttttttttt 149

<210> 31316

<211> 320

<212> DNA

<213> Homo sapiens

<400> 31316

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<211> 177

<212> DNA

<213> Homo sapiens

gtgagatcaa gaaaaacctg gctgaaactg gttggaacca agatggctaa ctggagcttg 60
cacagaataa scttgctgat gtcwtagcct gaatttccac casgtttcat actaactctc 120
cctgaatttg ccatgcaact caggagttaa catgaagaaa taactatgca tgcycaa 177

<211> 225

<212> DNA

<213> Homo sapiens

tattttgaaa	tgataggttg	agagagaaaa	gtcattcaac	agtgggtggga	taagggttccc	60
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tggcatgata	tactgcagc	ctctgcctcc	cgggttcgar	caattctcgt	gcctcagcct	180
ccaagwagc	tgggactatw	ggcatgtgcn	wccacgcccc	gmacc		225

<211> 184

<212> DNA

<213> Homo sapiens

ctgtctcaaa	aagagaaaat	tcttcattat	ctttgccatc	actccctgtt	ccctcctctc	60
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gagttttgct	cttgttgcc	aggctggagt	gcaatggcac	ggtctccgct	catctcaacc	180
acct						184

<211> 340

<212> DNA

<213> Homo sapiens

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kttatatfff	ctggaatfff	ggtgtcattt	tatcortagt	taataatatt	gtttcaccat	120
aaactcctct	ttgattatgt	aaccagcaaa	gtttctaaca	vtaaagcata	tttttaggggt	180
acataccttc	ctctcagtca	atgtatagaa	agtattacat	tatgtattaa	aacctcagtg	240
ccatgacaag	atagtcaaca	tcttttagtca	tcagraaaat	rcaaatcata	rctacaattg	300
ygtgtgtgta	cttatcaatt	gtgtacttta	tatatatgta			340

<211> 284

<212> DNA

<213> Homo sapiens

<400> 31321

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cataaatata	atgtggtata	catacaatgg	aatattattc	tgctatgaaa	atgvaatgaa	120
atactgatac	atgctccaac	acaggatgaa	ccttgaacat	atgctatgtg	aaagaagcca	180
gatgcagaag	gccacatatt	ctaagattct	agatwdagta	tccagagcag	gtaaaaacag	240
aggcgggaaa	gtgtatgttg	cctggaagct	ggaaggaggg	taga		284

<210> 31322

<211> 155

<212> DNA

<213> Homo sapiens

<400> 31322

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ctgacagctt	acaaactggg	aagttctgtg	catctccagg	gattccagag	ttgaagatct	120
ggttgttga	agctgggagc	ccagtgcctt	ttttt			155

<210> 31323

<211> 283

<212> DNA

<213> Homo sapiens

<400> 31323

actctatgcc	tgaataggaa	cagaaagatc	tggcctgtca	ctgtgtgggt	gtatgctgtg	60
gaaggcctcc	ccccaggggg	attcatccca	gcaatttggt	tatcccaata	aagttttag	120
acctgttaac	ctaggaactc	cctacatgtc	aattagagga	gccatgaaaa	cctctcgcat	180
cgcagggagg	gttgggttaga	agtgtcagtd	caggggaaccg	gaaattgctt	ggctcagctg	240
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<210> 31324

<211> 329

<212> DNA

<213> Homo sapiens

<400> 31324

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gagcagcgga	gggcggagtt	gaatggctgg	gcagctgatt	gccttactgt	atccggagct	180
gctgcgttcg	gggcggttcg	ggagtccct	ggttggaagt	ggayctgaat	ggggaggcgt	240
ctgaggatct	cctgggctct	cagcggcccg	acccgccttc	ccccacctcc	cacagctctg	300
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<210> 31325

<211> 304

<212> DNA

<213> Homo sapiens

<400> 31325

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gactgcagta	aggattctgg	actttgtctt	aagggtaatg	ggtttttgct	gtatttctag	180

gtgttggtgta ttatgtttat ccaagaatga actgtagatc agaactgagt tgctttgtca	240
gtgcagtggt ccaatcatgg ktcattgcag cctdcaactt ctgggctcaa gcaatcctcc	300
tgct	304

<210> 31326
 <211> 77
 <212> DNA
 <213> Homo sapiens

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<210> 31327
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 <212> DNA
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ggatacattt ttattagttt ggtttagaga tctctttatc gacttatttg tagtccagat	180
ttatgagggg gataattcat tctccattcc ctttaacagg tctctcatct cctattttcc	240
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cctt	304

<210> 31328
 <211> 90
 <212> DNA
 <213> Homo sapiens

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gtttcatgta tgcgagcaca cacacacaca	90

<210> 31329
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 <212> DNA
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caaaataccc gaaatctggt cccaagcagt ttgggtaaag gatactctca acctgtgtaa	180
ggttgtgaga catagcaaca aaaggctatg tgataaagaa acaggaaatg acattgcata	240
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caga	304

<210> 31330
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 31330

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agagccaaac	tatctcaacc	tggcttccaa	ataacatgga	ccagttattc	atagcctgat	180
gagttatata	tttaccattt	attgtgaaca	acaaatacct	ttctagatgt	tgtaatggac	240
ac						242

<210> 31331
 <211> 123
 <212> DNA
 <213> Homo sapiens

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ctc						123

<210> 31332
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 31332						
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catactaccc	aaagcaatct	acagattcaa	tgcaatccct	gtcaaaatac	caatgacatt	120
cttcatagaa	atagaaaaaa	aatactaaaa	tttatatgga	actacaagat	ctaaaatagc	180
caaagttatc	ctaagcaaaa	agaacaaaac	tagaggaatc	acattacctg	acttcaaatt	240
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ccaat						305

<210> 31333
 <211> 306
 <212> DNA
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taatggaata	attattttgt	tgttactggc	tttaagtgtg	tgtctcgttt	taggtgctca	180
gtttgtgttg	actgaaagaa	gaaaaacaga	acacttagct	acttaaagtt	tcaaaattca	240
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gaaggg						306

<210> 31334
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 <212> DNA
 <213> Homo sapiens

<400> 31334						
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<210> 31335

<211> 307
 <212> DNA
 <213> Homo sapiens

<400> 31335
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 cgcaagcmtc ttctgaatta ttcttggaaca cccarataaa aatggtaatt tttctttcct 180
 tttctcctgg attcttattc tarcatctgc taggaggatc cacaccctgt cctaggctag 240
 tagtgtacag accatggttt tgatgtctgt gcaaaaggta caggtttgtg tgcattctct 300
 caatttt 307

<210> 31336
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 31336
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 tcatttaatt ttcttctttg aacttcagta taaaattgan aaacaaatct taaagacaca 120
 gaaattgaac ctgtccattt ggcatcgga tacat 155

<210> 31337
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 31337
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 agaacagttt cattatcagg atcccttgcg ttatccatat atagcctcag ccacctccct 180
 tccccnccc attgtcctaa tctctagcaa ccactaatct gttctctctc tttgtaatta 240
 tgtcatttaa gaatatttta taaatggrat ttgccagggt tggaggctta tgcctgtaat 300
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<210> 31338
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 31338
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 scaaattcat tttaatgmcc atgtaaagag cgaatgtcat agtattatta cccagtttat 120
 kcaaattaca tacatgttcc taccaagt 148

<210> 31339
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 31339
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 tcca 64

004220"666T560

<210> 31340
<211> 309
<212> DNA
<213> Homo sapiens

<400> 31340
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agctgtaaac acaaaagatc tatggtttct gcctacccag gatagtcttg tctctagaca 120
atgtattgat gatgcaaag ttctggaact aaatagtggt gatgggtggca caacactgtg 180
aatgtactaa atgtcactga tttgtacgta tttaatatgr attahatktt aaaatgggtga 240
attatattta tgtatatttt accataataa aaatatgcat tggaagatgc attttttgtg 300
acccamtca 309

<210> 31341
<211> 155
<212> DNA
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<400> 31341
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acaatcttaa ttctacgttt aacttcttga aaatcktagt acttttttct gcggcctttg 120
gtttgtggct gaaagctgtt gagtgactct cgccc 155

<210> 31342
<211> 89
<212> DNA
<213> Homo sapiens

<400> 31342
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tagcttatat tggtcatttc tacacttgc 89

<210> 31343
<211> 78
<212> DNA
<213> Homo sapiens

<400> 31343
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tactctcttc tagctatt 78

<210> 31344
<211> 306
<212> DNA
<213> Homo sapiens

<400> 31344
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aagtgaagtw htntgctagg tggacaagag gctggacata tacaagaaca ttaggtgttt 180
tggaactct ctgagtaggt gtgattatct gcaatataca tgatggttca tgggggmgas 240
ygggtgtamgg agatggctag aggaatgmtc atgaaatgcc cttatatatc atgctaagga 300
gtttta 306

<210> 31345
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 31345
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 ccctgccaaa tgactgccat tggatgccct gattgattaa ggatccaggc tgggcgcagt 120
 ggctcgtgcc tgtaatctca gcactttggg aggccaagct ggggtggatca ccggagggtcg 180
 ggagttcgag accagcctgg ccaacatgat gaaatcccat ctctactaaa aatacaagag 240
 ttagctgggt gtggtggtgc acacctgtag tcctggctac tcgggagggt ggggcaggag 300
 aatcacgtga anccgggaga cagaggttgc agtgagccgg gatca 345

<210> 31346
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 31346
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 tttagggtgc agaaattcag gaaagtggat aaattttatt gtgccaacaa atcttacctt 180
 gactagtttc acaattttgc ctcaagtgtg ctttgctact tttgatattg ccttgttctg 240
 taacttaaca gttaaattgg gtgctaatag aaaattaaaa agtgtttgca accattggaa 300
 caatgcaaaa atagattaag raaaattaat ggtgttaa 337

<210> 31347
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 31347
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<210> 31348
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 31348
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 aatagctgga attacaggcg cctgctacca cgcccggcta attttttgta attttagcag 120
 agacgggttt caccatgttg gcaagctggt ctggaactcc tgacctcagg tgatccaccc 180
 act 183

<210> 31349
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 31349
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 gctggggggcc ggcgcggcgg agctcggagt agtaggatcg garc 104

<210> 31350
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 31350
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 ttcagtcttg tgacagactc tgctacttgc ctacccaa 98

<210> 31351
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 31351
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 ctactcctag ggggaaacat tgttccttgc atgacttctg aaaggactat gatgaaaatg 120
 caaatcaacc aacactgagt atttacaatc aagacgttga ctctggtagg agctgcaatt 180
 gatagaaaaga tgtataaaat aggaattatt accaacgaag aggagaatat ggccaatac 240
 ccataatgtc tatacccgga ctc 263

<210> 31352
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 31352
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 cgtcttttgc tgcaacctga cctcaccttt cctcgctaag cggtttgaga tcctcaagtg 120
 taaacaggac tctccctgga ggctgctcct ccgggccccct ccccgcggcc cgaccgtcgc 180
 tcgcttctct scccggacgg cggcgcctc tgttttctcg ttccctcccc tcagctggct 240
 ttcagctttc ttttctcttc atcgccccct tc 272

<210> 31353
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 31353
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 tkgtgattat ttgaatagtt twatattaat aaaagavgmc aaaatTTTTT aaatgtwaga 180
 aaaagcagat ctgtcattgc aaagtaacam aaattttaag cttttaaaaa tgtagatttt 240
 tcatat 246

<210> 31354
 <211> 189
 <212> DNA
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 atgagagtat aagagggatt gatttgatgg aaaggwgttn agacagtttc tatttagcaa 120

004220" 5662560

ataaaatcat ggaacaattc tttcagtcaa aggtggtggt gttttcagag catctgaatt 180
ttagaagtc 189

<210> 31355
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<212> DNA
<213> Homo sapiens

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cagaagcact ggagacgctg gccactgaac atcatgaatt agagcagtct ctggtgaaag 120
gctctccacc cgccagcatc cttagcgagg mcgagttcta tgatgcgctg tcagattccg 180
agtccgaaag gtccctgagt a 201

<210> 31356
<211> 154
<212> DNA
<213> Homo sapiens

<400> 31356
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aaaaagagtt accaagtgc acaaggtgac gtctgagatt tgaacatgta aatttataac 120
agcacctatt tgtggttctg ttgatttttt tttc 154

<210> 31357
<211> 232
<212> DNA
<213> Homo sapiens

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aaagtatgct agaggaaaaa aaaaagttaa gaaatatcat aaggaggccg ggcacggtgg 180
ttcttsctcg taatcccaca ttttgaagg ccaaggcagg tagatcactt ga 232

<210> 31358
<211> 147
<212> DNA
<213> Homo sapiens

<400> 31358
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tggaactaca ggcataatcc accacac 147

<210> 31359
<211> 133
<212> DNA
<213> Homo sapiens

<400> 31359
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gttatcttgg acagtgtctg tttagaagcc cataagacag agrgrctata gtawgttaat 120
gaattattta tat 133

<210> 31360
<211> 232
<212> DNA
<213> Homo sapiens

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ggccaagctg gggcctgtgg caggatcaga tagagatgca grhactgagg ctcaagaagcg 180
ttcggccacg tgcattgcatt gcctttccca ttggtgctcc atcgccagta at 232

<210> 31361
<211> 294
<212> DNA
<213> Homo sapiens

<400> 31361
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ttaccatcat gacagcagac ggatatttgt gggccaggat aatggagctg taat 294

<210> 31362
<211> 92
<212> DNA
<213> Homo sapiens

<400> 31362
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gcgccctgag cggctggagg ctcgcaggct gc 92

<210> 31363
<211> 248
<212> DNA
<213> Homo sapiens

<400> 31363
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cacttaggaa tggbcaaaaa ttttatgrca aagrcaccaa aaagcgdtca camcaaaaagc 120
aaaaattgac aagtgggatt taactaaacg taagagcttc tgcagagcca aagaacctat 180
caacagagta aacagcctac agaattgggag aaatatttgc aaactatgca tcagacaaaag 240
atctatta 248

<210> 31364
<211> 251
<212> DNA
<213> Homo sapiens

<400> 31364
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gagaaggaag atggtgacac cttaggggga agtattatct gtccattaaa tctgccactk 180

aatgactagn ttttagcaag ttacttagtc tggtcctcag tttcctcagg tgtaaaarca 240
gggatgatta a 251

<210> 31365
<211> 299
<212> DNA
<213> Homo sapiens

<400> 31365
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ttaaattggca agtactagaa tgccactatg gcaagcacta gaatggtcta ggtgtgaaat 240
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<210> 31366
<211> 242
<212> DNA
<213> Homo sapiens

<400> 31366
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tc 242

<210> 31367
<211> 249
<212> DNA
<213> Homo sapiens

<400> 31367
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tgattccatt gatacgtaat atccagaaca agtaaatcct tagagacaga aagtagatag 180
tggttgctcg ggactaggaa tggggaggga aagagggaatg gctgcttagt gagatgggg 240
gaggggcga 249

<210> 31368
<211> 243
<212> DNA
<213> Homo sapiens

<400> 31368
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ttccaccctg agtggtaatc taaggctgtg cagtcagtta cttcagactg ctcagaatag 180
ttcattagaa aggtaacaaa tgagaaatgt attattatac agttctatag tagtgaagt 240
ata 243

<210> 31369
<211> 287
<212> DNA

<213> Homo sapiens

<400> 31369

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ataatctaga	aattatgtta	atgtaactta	taggaaaaga	sattctgaat	grtgatatct	180
ttgaattgtg	atTTTTctat	cagcctgrat	gccaagttta	ctaaacaagt	tctcactaaa	240
aagacaaaac	atgtaaagga	agataatctt	gtattctata	gcattca		287

<210> 31370

<211> 254

<212> DNA

<213> Homo sapiens

<400> 31370

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gattgtagtc	ctgcagccct	gcgatcactt	gcaggtaaca	agaaatttca	gctthcgga	180
tgatgggcga	aggseccac	cttcagcctc	gctcctccat	gccttcagag	ctgttcggcc	240
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<210> 31371

<211> 321

<212> DNA

<213> Homo sapiens

<400> 31371

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gcagtataat	atttthrtaa	caaaatawag	aacatctatt	tgaaatttag	tggccaccat	180
agattgaaca	gtagracaat	aaaacattta	ttttcwktga	caacaggaat	tgggtgaaga	240
tgcttctcac	caacacttta	gaagttctat	aaaataaatg	tarravnaag	aatraattac	300
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<210> 31372

<211> 358

<212> DNA

<213> Homo sapiens

<400> 31372

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tcttagagaa	tggttggtg	cagcggttca	cctcggtggt	ccagcactt	cgggaggcca	180
aggcagacgg	atcacctgag	tccaggagtt	cgaaaccagc	ctggccaaca	tggcaaaacc	240
ctgtctctat	tgaaaataca	aaaaaagtag	ccagctgtgg	tggcacacag	ctgtagtcct	300
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<210> 31373

<211> 73

<212> DNA

<213> Homo sapiens

<400> 31373

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tacccccggg tgc 73

<210> 31374

<211> 201

<212> DNA

<213> Homo sapiens

<400> 31374

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gtaacctgct aggaggctaa ctttatactt atttaaaagc tcttattttg tggtcattaa	180
aatggcaatt tatgtgcagc a	201

<210> 31375

<211> 53

<212> DNA

<213> Homo sapiens

<400> 31375

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<210> 31376

<211> 335

<212> DNA

<213> Homo sapiens

<400> 31376

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cacctttctt caaatgcaaa tccaaaattt cctgtgggca cacttaaaga tttatctctt	180
gtttcatgaa gctccattta attaatgctga agatctgttt ttttaaatac agtagttagt	240
atgtattgag gattcacttt gtacttaggc atccagcgct aaatctttct attaacgcta	300
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<210> 31377

<211> 228

<212> DNA

<213> Homo sapiens

<400> 31377

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tagtagcata gtgttaagtt atatataat tttatatgc atactcctaa gtaaagtttc	180
agagaccaca tgctggagag cagtggcttt cagacagcat cagcatca	228

<210> 31378

<211> 238

<212> DNA

<213> Homo sapiens

<400> 31378

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ctgtcttcca gagctgcgtg tccacatatt ctaaataata tgtcttccta aatagaagat	180

aaaagatgaa atttataggg tccagaaggg agcagagttc tgcctgcatt tttgacta 238

<210> 31379

<211> 298

<212> DNA

<213> Homo sapiens

<400> 31379

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cagagaagaa	gatatgtttt	gaagttaaaa	gtgatttaaa	aaattacaac	acaacaaaat	180
aaatatgaaa	gaagcacttg	attcctcagc	aggtgaagtc	atcagaccat	gttactggac	240
caaggttatc	taggtagtgc	caggctggga	ttaaaagata	aatttactca	catacact	298

<210> 31380

<211> 371

<212> DNA

<213> Homo sapiens

<400> 31380

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gcaatgccaa	taccctttct	gtgaatacag	gttatttcaa	gctttcgtca	gtggcaacca	180
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gacctttgct	acctgtatta	ataccagtgg	cctcattttg	ctgtatcatt	acaatttggc	300
ttcttatatt	aatgtttgav	haggattaaa	gctgggtattc	tagaacatgc	ccttcactgg	360
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<210> 31381

<211> 252

<212> DNA

<213> Homo sapiens

<400> 31381

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tacccccatt	ttacagatga	ggaaagtgag	accagagag	gttatgtcac	ttgcccaaag	180
tcaccacgtg	aagggataga	tacaagctca	aatgggtctg	tttcagaatt	aaattttttt	240
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<210> 31382

<211> 409

<212> DNA

<213> Homo sapiens

<400> 31382

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tgtgcatatg	aaatccgtaa	gataaatcag	ctattgtagc	acgtgaagga	aattaatata	180
aattaaggaa	ttggaactga	tttgggccat	attcgactgt	tttcatatta	agaaacatta	240
ttttagaaga	tctgtttggc	tcagcggag	tcaggaactg	ggcaagcagt	gttgtgactt	300
gcttgtttcca	caggcagagc	ctgggcagca	ctcaataaca	cccctcacct	tcataggcca	360
tcagccgtag	agaggcaaat	tagagcactg	gcataagcca	caaatcaca		409

<210> 31383
<211> 73
<212> DNA
<213> Homo sapiens

<400> 31383
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ttttttttt ttt 73

<210> 31384
<211> 78
<212> DNA
<213> Homo sapiens

<400> 31384
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ctaatttgtc attgcatt 78

<210> 31385
<211> 178
<212> DNA
<213> Homo sapiens

<400> 31385
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ctccctccca acctccctat gtaccgtaca ttcagtgtc aaggcagaac ttggawataa 120
ttcttgattt ttttccttc tcttaacctg tcagtaaatt ctatagattc agtcccct 178

<210> 31386
<211> 370
<212> DNA
<213> Homo sapiens

<400> 31386
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gaatagaggc taaggatgct gctaagcatc ctacaacaca gaggaaagac tcctgaaata 180
aagaattatc tgactcaaaa tgtatcgact gtgggtcagg aaaccctggt ctacatatta 240
gaaaaaaaaat gcactttttt cttttaaaag tattaaaata ttcagatata ctttttgag 300
gaaacttttg aagccagaaa tctttaacaa ctatttttca aaataggaga aattagggtcg 360
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<212> DNA
<213> Homo sapiens

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gaatggtatt ctgtttgtaa ttcaaccatt catagcagtg ttgttcattt gggactctgc 180
tggcatttag gacctattct ttgtcaagtg agactgtacc tcaaattgca ggatgctccg 240
cattcctctc tctgcttatt aaatgacaat agcatcttct cagtcattga gagacttgtg 300
acaacaaaaa gacaaccct 319

004069-01

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atagtggtag	tgcccaactg	tcattccata	tgtcagtagg	atttgtcctg	aagatattgc	240
agctgacttc	ttggccagta	ctctcagtat	catgtggtaa	taatggaagg	ataagattac	300
taacaaaaga	tcccaggcta	taatgagtc	actaacatta	aatggatgct	ttctgcaatg	360
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aggaggaaga	ggaagaggag gaattagtgg agccccc 157

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tcaactgggt	ttgtaatctt atarctccat cctcacattt ctagtggctc tctcgacctt 180
tcctttcatt	acatcccaaa ctgtaatcat ttccagcagc atgtcccgtg ttctgtgtta 240
ctgtgtcctg	ttaattaact ctgccatgtg agtcattcaa gctggaaaca ttgcaattac 300
atatgatctc	tccctttccc ttcacattta atccacactt ttamcaactc ctgccaaactc 360
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<210> 31396
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 31396		
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gatttgtttc	agccascagt ctaagaagcc ttgtgtgtgc cagcagtcta tagagtgaag 180	
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gaagccaggc	acagagcagg tgaccacatt gcccaaggtc acccagctca tgagtagtag 360	
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gacacgacaa gccttttaggt aaatcgattt tgtatttttt atcccataat tcatatgaga 180
gtcaaaccaa 190

<210> 31398

<211> 495

<212> DNA

<213> Homo sapiens

<400> 31398

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tcagtgttct	ctctgtctct	ggtgataagg	atttgttctt	catttgctgg	cacgggagta	180
ggagcgggcc	ttcacaagag	agaattaatg	cccgttttta	ggcagatggg	ggagggcaga	240
gagctattcc	tgtttctgtt	ttttctcagt	tgccttcagc	tcaaaatcat	ccttattcca	300
atgtggcata	ttttgggggtg	acataattctg	gttcccttaa	gtataatcat	tgtwdgcaaa	360
tgacagacaca	gtacctgtga	tgtaaatatt	tagtgaatga	atttagtcct	gtgtgaaatc	420
ctccctcccc	tcccttccca	tdncttccca	mcacttcacg	cttaaccaca	gtgcagcatt	480
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<210> 31399

<211> 210

<212> DNA

<213> Homo sapiens

<400> 31399

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tgcttggtca	aatccaaggc	tgsmaabtca	gkgccatctt	cttcatgatt	atctttactc	180
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<210> 31400

<211> 456

<212> DNA

<213> Homo sapiens

<400> 31400

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ggacgtggac	atcgkgtma	gsmaaagtca	agtgaggagc	caaaaatatg	gaggtggggg	180
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actgattgat	aggacaaaag	aanccaaatc	tgagtgaagg	aagagttgga	cmhnggaagg	360
taatgcattc	atgctccaaa	gtttctggat	ttctgtctaa	ctgaccaggg	ccaagaacgc	420
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<210> 31401

<211> 252

<212> DNA

<213> Homo sapiens

<400> 31401

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gggctcagct	cvaawwtgtg	gccwagcaag	ctttagaaat	gaaaatatct	acccccacac	180

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<210> 31402

<211> 358

<212> DNA

<213> Homo sapiens

<400> 31402

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cttatcccta ctatgratgg gycatatamc taattattat taaaaagggtt tcagaaccag	180
tgttctaagg aagttgtaag gataagataa tttcagatga taaaaaaaaa ctgatgaaaa	240
ggattaaact ttctaataaa gttactagag ataaaaacagg tatagcaata tctcaccaaa	300
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<210> 31403

<211> 299

<212> DNA

<213> Homo sapiens

<400> 31403

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aggtgatact ggttttggag gawdkggtag tccgaactga ggttgggctg agtacacggc	180
ccgctatgac gccgagcctg ttttccttgc agatggcctg ggactgccgg agstggtggc	240
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<210> 31404

<211> 246

<212> DNA

<213> Homo sapiens

<400> 31404

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tattcaaaag gctacatacc tactgatgcc ttttatatga cgtgcaggaa aagataaaac	180
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<210> 31405

<211> 255

<212> DNA

<213> Homo sapiens

<400> 31405

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agcaaagacc catttcttcc accccatgaa tgaatgaatg agttattaat ttaagtttaa	180
gggcaaaagc taataactaa taggggcaca gtatataagg atgtgggttt gtgacatcag	240
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<210> 31406

<211> 133

<212> DNA

<213> Homo sapiens

<400> 31406

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<211> 174

<212> DNA

<213> Homo sapiens

<400> 31407

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<210> 31408

<211> 388

<212> DNA

<213> Homo sapiens

<400> 31408

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aactgtatcc aaaacatggt aataaatgga tcatttgtca acctgaaggg aagtcttcag	180
gcattgtgtc atgaggatct gtccttggtt ttctggtcag catctggaat catggttaaa	240
gccatttcag aagggatgct tatttttgta gatgactcag tacagttaga agacagaatt	300
aaaattcaca gttattgcca aaccaggaag attaaattca gttgcgataa ggattaaatt	360
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<210> 31409

<211> 452

<212> DNA

<213> Homo sapiens

<400> 31409

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tggmatcaaa aacttgcat aaatggaga agnatatctt tgtgaatcct ctatagtgga	360
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<210> 31410

<211> 188

<212> DNA

<213> Homo sapiens

<400> 31410

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gggataat 188

<210> 31411
<211> 133
<212> DNA
<213> Homo sapiens

<400> 31411
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<211> 243
<212> DNA
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gaa 243

<210> 31413
<211> 139
<212> DNA
<213> Homo sapiens

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gctgtaccag ctggtcac 139

<210> 31414
<211> 437
<212> DNA
<213> Homo sapiens

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ggtcatttta taggtggctg gaatgaataa aggggagcta gaaaaggatt tcagaaagcc 180
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aaataattga aggtaaacct gacatctctc ttctggatta cttaaaaaat gcattttctaa 300
agcaattcat ttgaaaatt ggggtcagt acctctacaa atcaaggtaa aatggtgcca 360
gaccttttt atttagccat tggtcagtct gtcgcttgca caaaaagcaa atggagtga 420
caacagttag acgggac 437

<210> 31415
<211> 287
<212> DNA

<213> Homo sapiens

<400> 31415

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catcgtgctc	ccactcccgg	gagagaggca	ttatcttcag	tttacaaaag	gggaaaacag	120
gtctgggggt	tccagagtcc	gcgggtttgc	taagaagccg	cagtgatgtt	gacgcggctg	180
gtcctcagtg	cacacctgag	tagcacgacc	tctccgccct	ggacgcacgc	tgccatcagc	240
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<210> 31416

<211> 192

<212> DNA

<213> Homo sapiens

<400> 31416

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aaaatgatcc	ctakactctt	gcatccctgg	tgtcctttga	agttaagaag	atgccttata	180
cagatcagcc	ta					192

<210> 31417

<211> 368

<212> DNA

<213> Homo sapiens

<400> 31417

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gcgactccgt	ttccagtttc	ggaaggggtt	tctccagaat	accaracacc	agtcggtgsc	120
tctbctcvka	aarccagsas	ctcgggggtg	ggagcgcgtt	cagaagttca	cggttgactc	180
aattactggg	ttaatttgat	gtatgctaac	ttctatagcc	ccgagtactc	gatgtgcctg	240
ttttcaatgg	ccattttaaaa	aacagctgga	cctctgtatc	aatctagagt	takkcatcct	300
tcttggaagg	gagcagaggg	gcctcttaaa	tgttatkgga	agactcatca	ctgcatagaa	360
ccgcgtca						368

<210> 31418

<211> 214

<212> DNA

<213> Homo sapiens

<400> 31418

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ggtgccgcag	ccagtgcggt	tttaataacc	ggagaaggtc	ccaagtcag	gagagtctct	120
cggcgscac	gggttcctct	gggagtgcgc	cctggccttg	ccttaggggt	tcagcctcgg	180
aggaccgggt	ctgggcagtg	gagaagggac	ggta			214

<210> 31419

<211> 250

<212> DNA

<213> Homo sapiens

<400> 31419

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acggcttgta	gacccgcga	gaagggaagg	cgagccagat	tgaagatctc	aaacagacaa	120
atcatggctt	ggaagaatat	gttaggaaac	tcttggaatg	taaggagggt	gtaagcagtc	180

aagtagatga ttavwcagc cacaatkwcg atctttgtaa agaattgatt aaaattgacc 240
aactagcaga 250

<210> 31420
<211> 498
<212> DNA
<213> Homo sapiens

<400> 31420
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ggtatttttt gcatgtacaa gctagcactg tgtgtgcaca tattcttctt ttttcctctt 180
tttttgttg cagaaatgat aacctactat tcactattct gtgccttgct ttgtttgcat 240
actgaaaatt atccatggaa ggatacagca ccatttttac ttaaggaacc ccttatttag 300
ggacacttag gttgttttca atattctgct cttgtaaaga gtgctgcctc atttcacaca 360
catgtgagtg tatctatagg ataaatccct aggattggaa ttgctgcac aaggagaatg 420
tgtatttgta attttgatgc ttgttgccaa atttctgtcc atagtggctc caagttcccc 480
tcctattggc aagggtctc 498

<210> 31421
<211> 436
<212> DNA
<213> Homo sapiens

<400> 31421
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gaaagacata tacctgtacg cccaattatt atctgtgact ataagtgggt ttggagrttt 120
attttctaag acctcttcat aattaatttc tctttctttt tttttctttt ktctttttct 180
tttttgagac aggggtcttac tctgtcacct aggctggaat gcagtgsac aatctcggst 240
cactgsaacc tctgsgtccg cctcagcctc ccgrgtaact gggcctacag gcgctcgcca 300
ccaggccccag ctaatttttg ttacttttag tagaggcagg gtctcgccac gttggccatg 360
ctggtctcga actcctggcc tcaagcaatc tgccagcctc aacctcccaa agtaatggga 420
ttacagacgt gagcca 436

<210> 31422
<211> 109
<212> DNA
<213> Homo sapiens

<400> 31422
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aactgaagaa gcttgggctc acttccacaa atgtaagtgc tgatttttt 109

<210> 31423
<211> 416
<212> DNA
<213> Homo sapiens

<400> 31423
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aaagaaatat tgatgaattc cattttcaaa agagcaaaag gtgagagaac atgccaaggc 120
tgtcttwagt atgctttaca taaagaatac atcctcattt taaattctaa ctggggcgaga 180
gaactgggta gagtttccat ttgagaactt tccagagaga taggatcttc aaactctcaa 240
gtgaatattt aagacaattt catgtcttct taaacctaca tgtctgaatt actgctcctt 300

tccatttcat agttggtgaa cagattcatt tgracaatca ctttgaagag tataggtaga 360
agcacaataa ccagggtgagg gaacatwaaa atatgrccat tatggctggg tgcggg 416

<210> 31424
<211> 390
<212> DNA
<213> Homo sapiens

<400> 31424
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tcccaaggcc yttcccctag ccccaaattc ctgtagggtt acaagaagga agcagtctca 180
ggctgggagg aggggtggaga aaagacaaga tttctaacta gtttaattta ttttatttta 240
ttttatttta ttttatttta ttttatttta tttttgagat ggagtttcgc tctgtcaccc 300
aggtgtagt gcagtgtcac catctcggt cactgcaacc ccctgcctcc cgggttcaag 360
caattctccc gcctcagcct cccgagcaga 390

<210> 31425
<211> 151
<212> DNA
<213> Homo sapiens

<400> 31425
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taaattccagg tttgcagcct ctgaatctgt gttctaccca ccagtccaca ccctttcamc 120
ttyccctgtt ctctcacct caccgcccgt a 151

<210> 31426
<211> 203
<212> DNA
<213> Homo sapiens

<400> 31426
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tgatgatttc catatttatg tctacgattt ggtgaaaaca tcctagatgt catcacaac 120
tctkgccaaa tttgtggaac tatgaaatgt attatttga gacataaaga cttgattgct 180
ttccagttta atgaaagctt aaa 203

<210> 31427
<211> 298
<212> DNA
<213> Homo sapiens

<400> 31427
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acttcgtaca cagcttcttt ctaccagaac cagtctgtgg gaggtaatcc taggagagtc 120
taaatawaga ggtttggttt ggtttgattt gataaagaag tagctgctta ttgcatattg 180
ggactaaata accaaagttc tttgtggctt aatgtgcttt tccggtcatt tgggtgacagg 240
tttcatggac ccaggcacta cggaccatag ttaaaaactg ttataaacag catgggagc 298

<210> 31428
<211> 220
<212> DNA
<213> Homo sapiens

004220" 556E560

<400> 31428

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gttttgactt	gtcttggatt	ttttgggtact	cggattttga	atttcgtgat	tttggttttg	120
tataaacggt	aaaagtgtat	gtgtgccctt	tttacctgtt	ctttgtcttg	tggtgagtgt	180
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<210> 31429

<211> 200

<212> DNA

<213> Homo sapiens

<400> 31429

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tggcaaagac	ttttaatcat	gggccaagaa	ctttcactga	cttgaaagta	acttctccac	120
agggaaaggac	caaaaacctg	gtttacctta	aaacaaaaac	ctggttgagt	tcagcgtggt	180
gtaaaaatgt	aaggaaagcaa					200

<210> 31430

<211> 403

<212> DNA

<213> Homo sapiens

<400> 31430

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cagctccgcc	cgcggccggg	atgcactagg	caaagccagc	tgggctcctg	agtccggtgg	120
gtacttggag	aacttactac	gtctagctgg	aggattgtaa	atgcaccaat	cagcatgctg	180
tgtctagctc	aagagagcag	tcattgatggc	ctgcactcca	cacaatgcaa	cagagtgaag	240
gagcagggtc	tgcttctttg	gtgtagtcct	gaagcttctt	aagaaacttc	acatcagggtg	300
atggatagga	gcaaccctgt	aaaaccagcc	ttagactatt	tttcaaacag	gctggtgaat	360
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<210> 31431

<211> 226

<212> DNA

<213> Homo sapiens

<400> 31431

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gggggttgtt	gtttttttct	tgtaaatttg	tttgagttca	ttgtagattc	tggtatattg	120
ccctttgtca	gatkragwag	gttgkgaaaa	ttttcccca	ttttttgggt	tgctgttca	180
ctctgatggt	agtttctttt	gctgtgcaga	agctctttag	tttaaat		226

<210> 31432

<211> 224

<212> DNA

<213> Homo sapiens

<400> 31432

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ttcctgggtc	tggktgttaa	agctckgtaa	cccacattgt	aaagccgtga	atgttttttag	180
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<210> 31433

<211> 243

<212> DNA

<213> Homo sapiens

<400> 31433

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tgaccccagc	agccgctgag	ccggcctgga	ttcgggcaaa	gaaagcagcg	tcctcctggt	120
gcaaacagrc	acargccaca	agtgcaggac	acgcagtcta	gaaagtccgg	aagacaggtc	180
tcactctgtt	gccagactg	gagtgcagtg	gtgcgatttc	ggctcaccgc	aacctccgcc	240
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<210> 31434

<211> 119

<212> DNA

<213> Homo sapiens

<400> 31434

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ttaattcttg	agggcacaaa	gggtattgcm	aggggaactc	ttgcaataac	ctcatgtga	119

<210> 31435

<211> 343

<212> DNA

<213> Homo sapiens

<400> 31435

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aaactgaggc	ccaaagacca	agaaacgctg	gcttctggac	acacatcgtg	gaagggcaag	120
aacgggctag	aactcaggct	ctkgggaatt	ctcagtcctg	gactgtgact	cccgttatcc	180
ccctccacct	cagcaccctg	ctggaccac	agtcagaggg	aagagccttc	cctccccagc	240
tgccgaggcc	tgtgaaaatg	gcgccacctg	tcggccaggc	tcaggatggc	gtctgagtcc	300
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<210> 31436

<211> 336

<212> DNA

<213> Homo sapiens

<400> 31436

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cgccgcccgc	cgctgagga	ccgcggggtt	agccactgct	ggctgcttcc	agtgttcgcc	120
gagaggtacc	gggggtgaca	gsctccggra	ccggccgaaa	ggcgagggaac	cggtgtggaa	180
attaaaagaa	cacacatatt	ttgactgggg	ctttgatcaa	ccaaatgcta	aaaagccaca	240
taaagaagat	ccctaatagt	catttctcaa	caattatata	gtcaactgat	gtaacaatgg	300
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<210> 31437

<211> 446

<212> DNA

<213> Homo sapiens

<400> 31437

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gatgacttct	gaaacaaaat	ttggatttcc	ttttaggaaa	agtagaaagc	atagacttac	120
aagtctaaca	ggagatagga	gagagtcact	cataaaaaat	gcaaattgat	gaacgtacta	180
ttgtgataca	ttagttgaat	ggatgaaact	tttttaaagt	ttcagatgaa	ctcccataat	240
gaatgatgaa	tttgtgatga	gggataacct	ggaagtggta	ttcacacatt	atgctacaat	300
aaaaggttct	accgtggaga	ggattttgac	acatttcagta	actaatggaa	cacaccgtca	360
acatgaattc	gcaccttaca	tgacagaagt	gattcagggg	ttcctatgaa	tagaaatgct	420
gagaaggaac	gcattttatt	gcagaa				446

<210> 31438
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 31438						
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cctagagctt	ttctctccca	tttcccttct	gtgatttcag	acacccattt	atgtctgctg	120
ggagaatcat	taagtcttga	gcctyctgtg	ctccttcctc	ttaccagacc	tgatagtgc	180
tttaagcggg	agggggagtt	aggagaaaag	tattttgttt	ccttcttgaa	gggggtgtgt	240
cccaggcata	g					251

<210> 31439
 <211> 126
 <212> DNA
 <213> Homo sapiens

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gctcaatgga	tcccgcagta	aaatctttga	caaaaacagc	acttttggga	gtgtggaagt	120
ccaggs						126

<210> 31440
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 31440						
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cttaggcaag	cctcttgctt	tagccttcct	agttgctggg	actacaggcc	ctccaaacct	120
gtacttgacc	tgaagggrca	aatgktkgtc	acatagtcta	ttgtgttgaa	aatcaaaaaca	180
acactgatat	ccattgatag	gagatgagat	taataaaaata	aggbacacct	acaagtgaga	240
ttggcctggt	actgtgtctc	ttcacctgta	ttccagcgc	tttgtgaggc	caaagtggaa	300
ggacca						306

<210> 31441
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 31441						
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gatctttata	attcatacct	ttgagtggtt	tgcggttcac	acagagcttg	tcagtcactt	120
agcctccttg	ttgggcgagg	targgtggaa	gctgttactt	tccccgcata	gatgaagagg	180
tgaacagggg	gtagaagagt	ctggaacatc	agtctcccct	gctgatgttc	ctccacctgc	240
cgtgct						246

<210> 31442
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 31442
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 ctctaaccag ataacatgtc cacggattct tgacagagag aaataagatc acttagaaaag 120
 aaaggatcat ttctcccttg rgtiyacaagg agc 153

<210> 31443
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 31443
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 cawcctgacc aagatggact tcattcacat ggccac 156

<210> 31444
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 31444
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 aaatgccgtc taagaatgag gggcaacaag attggcctgt gctcaaattt taggaggcac 120
 ggtgcccaga gagggctcca gagctctttt gctggctgcc tcttctggag gagctgactg 180
 gccagctgca gagcacattg atctgggtcat gattgctttc atcctggagt agagcaagtt 240
 cacacaattt aaatcaagag ccacattaga agctcctgac ctcaggataa cctctcattt 300
 cctacctttg aaagagggaa caagagggaa cagttcagtc acttccctaac atctagccac 360
 at 362

<210> 31445
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 31445
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 gaaagaggtg attatggagg gaatcaaaaa tactgctttc agttagtagc tagctttaag 120
 tcaggagtta gtaatgagaa attttataaa tgtgtatttc tgtgtattca catacatata 180
 tatatacaca catatatatg tacatacaca tacatacata ttaccatact gaagggc 237

<210> 31446
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 31446
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 aaggaaataa tttttttttt ttttttt 87

<210> 31447
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 31447
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 gtgccactgc attccagcct gggtaacagt gaaactccat ctcaaaacaa aacaaawcaa 180
 aacaaaaaac tagaatgtaa attcctgaag gcagaatttg cttgcttgtc tgtttttctc 240
 ttttgtttcc tgctctaccc cgggachtag aatgggtgctt ggcacatagt agatggctat 300
 taaatagcta ctggatg 317

<210> 31448
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 31448
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 aaagaacaca tgataaattg cataattctt actttcaaaa agaggaaaca tactagtctt 180
 tggtagasag gaaaactttt cctctcacca aattgcaaaa gactttgcac acatggggct 240
 ttgtggagag gttttgagtg ctaaaataat acraggtaaa caatgaatgt ggtatggaag 300
 ctaagagcat acaggctctg gcattagacc acctgggctc aaatcctagc ttgattacct 360
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 attgacagcg catcgt 436

<210> 31449
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 31449
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 agaactagaa aaaactattt taaaattcat atggatctaa aaaagagcct taatagccaa 180
 ggcaatccta aacaaaaaga aaaagctgga ggg 213

<210> 31450
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 31450
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 taaacttgag tgtaggtatg ggcaacatca gctgggtggag tgtgagatgg cagggactat 180
 ggtgagcaga ggagtgtgtg ctcatgtgag cgggggtggc gctgctggat gcatggcagg 240
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 ccagaggtct ggaatttttg atgaaatttt cagtttaaaa atcwcagcag cttattcaaa 360
 tatttaaaaa aatactctgt gatcccaata aa 392

<210> 31451
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 31451
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 caccataagt ggctaatttt ttttttcata cctgggctaatt ttttattttt attattatta 180
 tttttgagac aggggtctctg tcaccctggc tggagtatag tgggtgcaatc atagctcact 240
 gcagcctaac ccttgcaggc t 261

<210> 31452
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 31452
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 tttcccaatc agtaaaagta gtacatgaac gactacagat ccaaattcat aaaagggaag 180
 ccgagaacga taagttgaaa gaatatgtaa agagcttaga aaccaagata gccaaagtga 240
 acctgcaatc aagaatgaat aagaatgagg ctatagtgat gaaagaagca agtaggcaaa 300
 aaactgtagc tttaaaaaag gcatca 326

<210> 31453
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 31453
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<210> 31454
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 31454
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 aataggcaaa caccaaaatg gtattaaata ttgaactcct gaccttttcg acacttacct 120
 agtaaagtat tcttaggcac catcataact tttcctcacc tttattcgaa tagaggata 180
 aatgtcttca gttgtctctc cattaccctt aagttattag tttgtctagt ttatatataa 240
 agaccatgtt ttaaagtaca taaagtggag gtttatttat catacaggct ttgaaacatt 300
 aagaagcagt atttttatta actttttgag acatattaaa atacattttg ccttagaaga 360
 ctgcttctaa agtaattttt gtaagtaatg agatgggatg gtaatctagt aatttgactt 420
 tatagaaatc cctcagtttg gccccact 449

<210> 31455
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 31455

tatttgcct	agtgtttata	tccttatatt	ggaaaaaaca	ctttatTTTT	gtgtgttTga	60
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attcttgtac	atttattctt	ccagaagaac	tggattatca	gtttgtcaaa	actccccacc	180
tcaaaataaa	aaggagcttt	ttaaatgtga	tacacgtgtc	tttatgtatt	tatttcagac	240
ttattgccct	tctgtcattt	attttatTTT	attttatTTT	ttattgtttt	ttattttttt	300
ggtgattcag	tctagtcttg	tcacccaggc	tggaatgcag	gggcatgac	ttagcccact	360
gccccctcca	cctccnaggg	cscacctgca	tcagcctctt	gagtagtttg	gattacaggc	420
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<210> 31456

<211> 211

<212> DNA

<213> Homo sapiens

<400> 31456

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tttaaattta	gtgtatcatg	cgagtTTTT	ttggtagatg	ctgaagaatg	tggttgctaa	120
acaaagaatg	ctaaagaatg	ttcaaacttt	atagatarct	ttattgttat	tatttatttt	180
cacacattta	attcctatta	agtacagccg	c			211

<210> 31457

<211> 470

<212> DNA

<213> Homo sapiens

<400> 31457

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ctctggggccc	tgccgcattt	cttgaagact	taaagtggca	ttctaaaggc	aatttaaaaa	180
tcatgtcaag	ctcagttgaa	cagaaaaaag	ggcctacaag	acagcgcaaa	tgtggctttt	240
gtaagtcaaa	tagagacaag	gaatgtggac	agttactaat	atctgaaaac	cagaagggtg	300
cagcgcacca	taagtgcatt	ctcttttcat	ctgcttggtg	tcacacact	ctgataatga	360
aagtcttggg	ggatttttcta	ttgaagatgt	ccaaaaggag	attaaaagag	gcacgaagct	420
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<210> 31458

<211> 129

<212> DNA

<213> Homo sapiens

<400> 31458

aaaagttatt	ttgtagagag	gggttctcgc	tataatattg	cccaggctgg	tctctaagtc	60
cttgccataa	gccatcctct	ctcgtcggcc	tcccagcgtg	ctgggattga	aggcatgagc	120
cactgtgcc						129

<210> 31459

<211> 279

<212> DNA

<213> Homo sapiens

<400> 31459

cccgccttgg	cctcccaaag	tgctgggatt	acaggcgtga	gccaccgccc	ccgrmmtact	60
tccagttaaa	attctgacat	ttctgacttg	acttaggcac	ccacactgat	gacatttccc	120

ttgacgaaat	ctgrataatc	caagggmstt	gctaattaat	tgattggatt	tacttggaca	180
tgtcaagttt	tcacaattgt	ccatgagagt	gtggtgtcta	tatatattta	aatatatatt	240
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<210> 31460

<211> 188

<212> DNA

<213> Homo sapiens

<400> 31460

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tgtattacag	ttttgtcagc	tgacccaata	atgtcctgta	aagaagttct	cccactaccc	120
tataatccca	gstccagtct	wagggycmag	ccattacatt	tacttgtctt	gaatccagct	180
ttttcttt						188

<210> 31461

<211> 457

<212> DNA

<213> Homo sapiens

<400> 31461

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ttctctctta	ctaagctcyc	cccackgtga	rtagaggcag	aaatataatt	atataaaata	180
gagtaacttt	tttcattact	tatttcttgt	aggaatctcc	aactgcctca	aaaccctgct	240
ttcctgaaaa	tgagtcttct	ccctcctcac	caaagcacca	agatacagtt	agtatgatag	300
aagcatatct	tataatgtag	tccagttatt	tcaatcaatt	ttagcaagtt	aatttactct	360
taatgtaatg	tttaaagtag	cttctattaa	atttcattgg	tttttctaaa	aatcaccaat	420
caaaataagt	ttaacaatca	gattttattg	atttaaa			457

<210> 31462

<211> 235

<212> DNA

<213> Homo sapiens

<400> 31462

caggaatttt	ttactagctt	gcattattat	gttgagcaag	gtctttcctt	tcttttgccg	60
ctggaagggt	gcctggcatg	tattagatgt	ttaggaaata	gttactgaat	aaatgaacag	120
aataattttt	gattaagttt	ttkggraatt	waaatctgtc	acataggaag	cttcgtagg	180
tgttttaata	ggggaagaca	ggaacagttt	tttggaaaaa	tatatacagc	ttgac	235

<210> 31463

<211> 241

<212> DNA

<213> Homo sapiens

<400> 31463

aaaacagaaa	caaacaaacg	aaaagaattt	atcagcaata	tggtatggac	aacatagcaa	60
gaccacacct	ctacaaaaat	gttttttgaa	tagccaggtg	tggtggtgcg	tgctgtggt	120
cccagcta	gaggaggctk	argcssggar	ggtncacttg	aaggctacag	tgagctatga	180
tggcaccact	gcactccagt	gtggatcaca	gagcaagacc	ccagctctaa	aaaaaaaaaa	240
a						241

<210> 31464

<211> 116
 <212> DNA
 <213> Homo sapiens

<400> 31464
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 acaactcaga agcactttaa attgcaacac cacggcacca cggcaaagag ataaga 116

<210> 31465
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 31465
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 taaaaataga taaaataatt ccggttcaac tactgtgtgt aaaaagcctg tatcatatgt 120
 aactg 125

<210> 31466
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 31466
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 tccattgccat tatgaactcc acaaaggcag gaagtttttc tgtcttggtc ccttgctgca 120
 cctccartgc ttagaatagt gccagwmtct cavaartct ttgtcaagt agtgagggaa 180
 atgttcagtt agtcccatg ctggacatca tccagvatat taggagttgg gtgagcacct 240
 catactgcag aatcttgatt gccctctgag ggctctctta cagtttgatt gggcamtgat 300
 tcctacctas ccaattavaa gggvagggtt ccagcccttc actcctttgt aaagtggaaa 360
 cattgccttt gcctcrctaa ca 382

<210> 31467
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 31467
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 aaatgtgagg aattataatt gggtccctct ttgaaagctc tctgagcacc atgtctacac 120
 ttaagccatt acttttattt ttaatctaatt gggttgccgc tctctctccc tctttctctc 180
 tccaaattaa atatcaacca taaaagaaac caaggaagtc cagaaatctg tggctttaaa 240
 aagactggat ctgaaaaga ttttcacaag acacttcc 278

<210> 31468
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 31468
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 gttctgttgc gaccagcatg gtgggtgttt tttaggtttt ttttttwaat gggctgaggw 120
 aatttcycat gamatgttty cctbctaatt kgggacagcc tttggggtgg atttctaaag 180
 ttatacccac acaattaaac tatcccagaa acactgggca atgttaacga cactgt 236

<210> 31469
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 31469
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 gttcttttgt tgcttgtgct tttactatta agaatccatc gccaaa 106

<210> 31470
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 31470
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 actgtacttt catthttcaa ctctctgtca ctacagaaaa tgagaattgc tccccctctc 120
 cccatccact a 131

<210> 31471
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 31471
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 tgccctaatt aatatcaaga ttaaaactat agtaattaag atgctgttgc attgtacaca 120
 gacaactaga ctattggtac aaaatagtct ggaaatagtc acgtgtatta gtctgttctt 180
 gagttgttat aaagaaatac ctggctggtc atggtgactc atgcatgtaa tcccagcact 240
 ttggggagggtg atccacccac ctcggcctcc gaagtgtctg gattacaggc atgagccact 300
 gcaccccgc a 311

<210> 31472
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 31472
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 acgttttagga ctaatgtctt cattgtttta tctgtcttcc ttttagttgc ctaatcattt 120
 aaagatcaaaa ttaaattgaa atctaataata attcctgctg gtaaagtgc ttttatagta 180
 acttccacca tttatttggt ttcttagtag gaaactgatt taccttactt ctacatgtgt 240
 ttttggtatc tttattctga aattgtcttt tctttgtcaa tcaggatcta ggrcttcaga 300
 acccatittgt atcaactcct aagaaactaa attagggtcac ctaacagtgt caaatgcctt 360
 tttcttctgc gttttcactg acattttaga actccaatac tgtcatactg tcatttttt 419

<210> 31473
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 31473
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tcttttatgt	tacccactgt	ctctttgggg	ttgttaattg	gtttctgaaa	gggaacttca	120
aaactccttt	ackactggcc	ttccatggtt	ggtccttatt	aggttggtgt	gagaacgtcg	180
accaactctt	tgatacccg	caggtagacc	gtagtacctg	ccatgtcc		228

<210> 31474
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 31474						
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aaggttatga	cttaaccaca	agtctatgag	gtactttcaa	agaggtggca	aacagttttt	120
wataaaatct	agaatcttca	aaggtaacta	agagaaagga	agatataaga	aggggaagcta	180
gaagatgctc	atggtggggg	aaaagaatca	gcaaattggt	aaggccacac	agacattaac	240
cagaaagtac	tcatttccta	agccagaccg	ccattgtaaa	atgtcagacg	acc	293

<210> 31475
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 31475						
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tgtgccgcca	tatTTTTgCc	tcaaggtaaa	ggttttaaca	gatgaaaaag	tacttcccaa	180
ttcccccgTg	ctattcctaa	cctataatgc	ccaaatgttt	tgtgcaatgt	gtagtgtgtg	240
tgtataaata	catatattct	tgaaatagac	ataccatcag	agacatcatt	cacaagtaac	300
tgatgtattg	gcatctcatt	catatttctg	atgtgtgagg	tatatggtac	taattacctt	360
ttccttgatg	tttgccaaat	ttgaataaag	gcattggtac	gaaattacag	aatgtaaaga	420
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<210> 31476
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 31476						
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gtccataggc	aaggtctagg	gacagagaga	gtttgtagaa	agtgggaatg	catcagtggr	120
arggctaaat	ccaacagga	actgagctgg	cctgggtggc	tttgtccttt	tgccatcttc	180
gtaacccttt	aaaggcttta	agacacttct	tttgtaataa	ctaccccaac	taaatttggc	240
cagagctgtg	aagggaaaga	aatctaaga	cccttgaggg	agatgacagc	cgact	295

<210> 31477
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 31477						
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atttcagata	gtcaccctc	ctatcgcatc	actgccctta	gtgaaggcag	tggaatatca	120
agaaagcctg	cattctccc	tatagcaata	ggccagcct	ttaaaatagg	aggctgagga	180
gacagaactc	tatgaccaga	tgatgtatgg	agtctgagat	tcctaagcct	tcacctacct	240
cagggatcat	ctcagttgat	ccagggccta	gagaaacct	gatggggcat	catgaagaag	300

tgaaccvtg ccagtgcctg tcttacacaa aggaacactg acagtagcac aacagcagtg	360
cagctgacga ggaagcacat caaggctgca gagacctcac tgcttttttaa aggcataatt	420
tctgcctctc tctgtctctc tctgagaagg ccaaattgggt ggaagtcaat caatcacaca	480
ctgggtt	486

<210> 31478
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 31478	
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<210> 31479
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 31479	
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taatactgct gatttagatt ataaggaaag agattaagtc tcatatgaag gaaatactat	120
cttcaaaatg aawccttkgg ttcmaakgac tttcagatac cattttcacc aacttaagtt	180
tgtaaacggt ctcaaagttt ccgtggc	207

<210> 31480
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 31480	
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atatagataa ttctttccat aaggatattg ttagaacttc agtttctact ggraawaacc	120
tarmcttcaa ytaattttct wctwcctggt cttaaaaaag gahaaaaatg ccaagcaaat	180
atgattactg acattattac attctagagt gcttttaaatt gtcctaacag attggtagcc	240
taattttttc acctttctcc atatgcaccg	270

<210> 31481
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 31481	
gctgagaaat gtgctagtaa gtgaagaagg aaggatttga acccaggtca aaccttcttt	60
agaagggttg ggagggaaag gagtgaatgg atgctaaatc tgacgctaac tgattttact	120
accttggatc tcgttgctca atgcattata gtatttcgct gttcagcatt ttaacagcaa	180
atcctcttat ttaataaggc ctggagccca cagtgtggct cctgatgcat tgctgagggt	240
atgtaaggtc ctgcgccgct gcattacagc cacca	275

<210> 31482
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 31482

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ttactct	ttg	atccag	caat	ctaatt	tcta	ggaatt	taata	ctaatg	aaat	aaaaag	120
aggcaaa	aca	ttatatta	aat	agagct	actc	attgcatt	ac	tatctata	aac	agccata	180
agaaatg	act	taaagtt	tct	aaggttat	tt	catacag	taa	taatata	gct	catgctg	240
gattgct	cat	catgtacc	ag	gc							262

<210> 31483

<211> 399

<212> DNA

<213> Homo sapiens

<400> 31483

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gaactgg	ttt	gaggc	ctttg	aaatact	gga	taaact	acta	gatggc	gact	taacaag	120
tccttct	tac	ttccaga	atg	ttacagg	gatg	tagtaatt	ac	tataact	ttt	tgcggtg	180
ggaacct	gag	gatcag	cttt	actatgt	gaa	atTTTTgt	ca	ctcccag	agg	tgagaca	240
catccac	gtg	gggaat	caga	ctttta	atga	tggaact	tata	gttgaaa	agt	acttgcg	300
agatac	agta	cagtcag	tta	agccat	gggt	aactgaa	atc	atgaata	aatt	ataaggt	360
gatctac	aat	ggccaact	gg	acatcat	cg	ggcagct	gc				399

<210> 31484

<211> 477

<212> DNA

<213> Homo sapiens

<400> 31484

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aataagga	aat	tatttt	cttg	tgccat	gttc	tagatgc	att	gagcac	agat	cctctt	gtcc	180
taagctg	tcc	tagagg	ctca	ggttag	catc	tatccaa	agt	tgctc	tttg	ttttatt	gtc	240
tgaaaga	aca	gaaggc	atca	gagttt	ccag	tactga	aga	gtagggt	ttg	ttcatc	actt	300
cccagca	atc	acatcact	ttt	gtgtagg	ttaa	ggatat	atga	tgtgct	taga	ttactt	atga	360
agctctc	tct	aagtggg	gaga	atgacct	gtc	catggg	acaa	ctcccc	gtt	tcatgg	tcat	420
ttcaga	agta	cctctttt	tg	ggcagt	gtc	ctggat	ctac	ttctac	agca	cattct		477

<210> 31485

<211> 375

<212> DNA

<213> Homo sapiens

<400> 31485

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gcacac	atcc	ctcctag	tgg	gatgat	ctat	tcacata	tct	cccagc	tttt	ttatttt	ttgc	120
ttctgt	tatat	cacagt	gagt	ggatgg	ccct	tcagct	tttt	ctctc	ctg	cagacat	gca	180
gtcttg	ccct	tagata	tcgc	agagaca	aaaa	ttcacag	cat	gtctta	aatc	ttccagg	att	240
tgcaaga	acc	aaattg	ctca	acagtat	gta	tgtttag	agg	ggtaga	ctc	cttttt	aaaa	300
tctggat	atc	taaccac	ccta	cttaa	atctg	tttgat	agt	tcaa	accacc	cccacc	cctg	360
atcctcc	ccac	cctcc										375

<210> 31486

<211> 276

<212> DNA

<213> Homo sapiens

<400> 31486
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 gtgggaggag gttgcagtga gccaaagatcg tgccactgca ctccagcctg ggtgacagag 180
 tgagactctg tctcaaaaaca aaaaccttct tataattcct gtaagagctt ggtaactggt 240
 agcctcctga gttgagtgc gtaggggttg aggggc 276

<210> 31487
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 31487
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 cgcacgaatg tcttcttttt agaactgtct gttcatgtct t 101

<210> 31488
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 31488
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 aatttcccaa tgccacaatg ctcatcttaa acatgaagac tgggtgaagt atattgttgc 120
 attawtgrat gcatckgttc cagagattat gtcaccacaa aggagttaat tggctcdtgtt 180
 ttgagggtca tgtttaattg catagggtcag caaaggaaga taaatgacta cttctttaag 240
 tctgtgcctc actttttctc taagacagct gaaacagtac aatcgatttc cttatcgcca 300
 cagctggcac catgagaatg ac 322

<210> 31489
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 31489
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 tgtgtgacct ttcttcccat catgacctga gctcgttttt caggytaact ttggaatatc 120
 cctttkggcm aataggmagg gtcccttcag tcagttaggg ggcttagaat tttatttttg 180
 gtgtacgtgc tcaaactgca gccgct 206

<210> 31490
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 31490
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 tgtggatgat gctatggagg aaaaatagcc atgaaagtta acagagttag gtttttttta 180
 aaattgggca ttcaaagggtg acttgtctga agaaataaca ttttaagctga aacctgaagg 240
 ataaattgaa attagcttat tttttctaag tgtttaaata accatatatt gaatttttgc 300
 aaatcagtgt catgtcatt ggtatagtat atagtctctg acatccattc tctgtacct 360
 tttccccgcc ccagct 376

<210> 31491
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 31491
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 actccgcact gccctcaac agggatgact cagcagagat gactcagcac tgtcccttag 120
 cagggatgac acagcaagga tgactcagca ctgccctca gcaaggatga ctcagcactg 180
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 caccgcctcc 250

<210> 31492
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 31492
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 gagtaaaaat aaattgcttt gccaaagcagg rctcataaat tttctttgca taaataaacac 180
 attgkttata gaagatttgg ctaaatectc taattcttct gttcadrta catgcacagr 240
 tattactgag tttttattga aacttaaaaa gkgktaatk ttaaaccaca tttgrtattc 300
 aggktgcyga actgtagggc attaggagtc aatgktacc yaaatttgac taaaatgttt 360
 aaggcacaga ggcraaaagt ggaggaattt tgagttgt 398

<210> 31493
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 31493
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 tgaaggaact aggtaatcat ttacattttc ttttcggttc ttagtttagc ttaattttgg 120
 tcttgaaatt gaagaaaata taggagaata caaaaaacag tttagggaga actcacatac 180
 ctaccaccca aaatggacaa atattaacat tttgtcatat gtttgttttt gtttgaaaca 240
 ttataaatga agttaaaagtc ccctgtgttc tctctctcag acctattctt tctctccttc 300
 cccagataca atgagtatat ctgatgtggg tgtgtatcta gtccatgtat tcatgttgta 360
 ctatactgaa tgtatattct gcaaactcac tattcactta ccattaggct ttctgtgaca 420
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 taatcatcag t 491

<210> 31494
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 31494
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 tctaattgat gtacttttat gttctttttt ctctgctttt tttttt 106

<210> 31495
 <211> 238
 <212> DNA

<213> Homo sapiens

<400> 31495

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gtgatgccat	gatcatgtga	cttcaagcac	taaatactaa	ttcatgggta	catatatata	180
aggcaccag	ggccgggagc	ggtggctcac	gcctgtaatc	ccagcacttt	gggaggct	238

<210> 31496

<211> 229

<212> DNA

<213> Homo sapiens

<400> 31496

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ctagtgattt	cagtgatatg	gagaattggc	caacacccaa	gkgaattagt	gaacactgga	180
tttcagagcg	tcctcagcca	aggaaataaa	aagccacaaa	atagaaaag		229

<210> 31497

<211> 235

<212> DNA

<213> Homo sapiens

<400> 31497

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attaatggtc	ttcctgcac	ctgtttataa	gcaaatttga	aatttaaaaa	atgtgtgtga	120
tgtagaagg	cagcaataaa	tgtagaaaat	taaaaacttt	gcttagccaa	taaattcagt	180
catctctgac	agttaatgaa	tgattatata	ttaaatacat	atagaagggg	gcgcc	235

<210> 31498

<211> 225

<212> DNA

<213> Homo sapiens

<400> 31498

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ccctttgtca	gatgagtagg	ttgtgaaaat	tttcccccat	tttttgggtn	gcctgttcac	180
tctgatggta	gtttcttttg	ctgtgcagaa	gctcttttag	ttaat		225

<210> 31499

<211> 459

<212> DNA

<213> Homo sapiens

<400> 31499

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agaatgttgc	cagttgttac	tgaatcatct	acaagtccat	atgttacctc	atacaagtca	180
cctgtcacca	ctttagataa	gagcactggc	attgggatct	ctacagaatc	agaagatgtt	240
cctcagctct	caggtgaaac	tgcgatagaa	aaacccgaag	agtttggaaa	gcacccagag	300
agttggaata	atgatgacat	tttgaaaaaa	aatttttagat	attaattcac	aagtgaaca	360
ggcattcttt	agtgcaccca	gcaacccagc	atatagasgn	gatattgaag	cctctaaaga	420

tcacctaaaa cgaagccttg ctctagcagc agcagcaga

459

<210> 31500

<211> 165

<212> DNA

<213> Homo sapiens

<400> 31500

aatgaaagta agaaaattta tataaaacct attttttctt aaagccacta atgaataagg	60
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atacagrwat tatttgaaat aattgacagg tctatagcca tacca	165

<210> 31501

<211> 198

<212> DNA

<213> Homo sapiens

<400> 31501

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cccccatagt atttttcagg gacccttcac attttctgcc gaagcaatgg cccagtgttt	120
tgaagggcgs cggtggaaac ctccgaacc agcaccacac tccctctgag cacggcccgc	180
gccaggccag cccacccc	198

<210> 31502

<211> 153

<212> DNA

<213> Homo sapiens

<400> 31502

tatcagatth catggtaaga cttgtcacta tccaaaagga gaaaaaagta atcagaagaa	60
catggcaaatt attagattg gaaagaatta tgatagaaaa aatacaaata tgaatggact	120
aactctccag gtgagagatt gccagatgtg gaa	153

<210> 31503

<211> 432

<212> DNA

<213> Homo sapiens

<400> 31503

ggcacggaat tgthttctta tatgcacgtg agtctccaga gtacaggaaa tgtgctttcc	60
tctaaatggt caatgtaaa aatcttaagg atatttcttg tgttgaaatt tacattcgat	120
tttgtgratt acacttgga atagtgtgta aattgggttt ttaattgtag cncaaagggtg	180
cattaagcaa gtgtaacatt tttccacat aaaacttaga aaactttagt tacctgaaaa	240
gcaaggattc ttactaatt attatgctca ttcttgattt gacttccatg ttcacacttc	300
aaagtgtgaa aggaagcact agaaactggc attattgttg cactaaaaaa gtctataaat	360
cataatagca ccatgagggtg ttttgcaatg agacaaacat gaagaatgaa tttctttaag	420
agagaaacac aa	432

<210> 31504

<211> 340

<212> DNA

<213> Homo sapiens

<400> 31504

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taagcagcat	tttatgataa	ttttatccat	tgaatatata	aatcataata	tctttgccat	180
cactttttaga	atctaatttt	ttcaagaagg	aaatgaatat	gtaaaaatga	aagaaaaggc	240
caactgtatt	gaagatacaa	aatagagttg	gtagcggtat	atagaagaaa	aatcaagagg	300
cttctgtgta	gaaaaccaat	ttgtaattta	aggatcgggt			340

<210> 31505

<211> 188

<212> DNA

<213> Homo sapiens

<400> 31505

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gaagccatta	tcctcagcaa	actaacacag	gaacagaaaa	ctaaacactg	tgtgtttctca	120
cttatdaagt	gggagctgaa	caatgagaac	acatggacac	agggagagga	acaatacaca	180
cgggggcc						188

<210> 31506

<211> 404

<212> DNA

<213> Homo sapiens

<400> 31506

ccacaaaagt	tagccttaga	gtttttttcc	ccctgaagtt	ttaatttttt	taaaaaccaa	60
atctaaggaa	gttttctctca	gctcattaat	tagaagcaga	atgtgtaaaa	gtataaaaagt	120
tttcaagcac	tcgtctttgc	ctttgagraw	argkgtttt	ttaaagaat	cactctcaac	180
aggggagatg	tcctctagtc	gtttttcttc	tgctctctct	gggaagggtt	caaagtcat	240
ttttctaaaa	tgctgacctt	caagcataag	gaggaagagt	caaagttaat	ggccagagtt	300
catatactca	gatgaaacca	gtcttcccaa	ggcctcaggc	tccaaaaaag	gttgtagcta	360
tcaaaaagtg	rccaaagtgg	gaaagggaga	aaggataagc	ttaa		404

<210> 31507

<211> 79

<212> DNA

<213> Homo sapiens

<400> 31507

tccgagcctc	ttattaaata	ttaggttgat	gagatgatgc	atgcaaagcg	cttagaacag	60
tactaggcat	aaagcgctc					79

<210> 31508

<211> 350

<212> DNA

<213> Homo sapiens

<400> 31508

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tgtagtagag	atatttttga	gcatgagggtg	ctttgggtgtt	actttttctt	ttaaaatgca	120
gggaatttaa	tagtatgcag	tttcarggtg	tgtwaarggw	aatcttttgg	tggatgaaat	180
atatttngtg	gatgaatatg	ctgtgatttg	cttacacca	ccccaaatcc	attttgcagc	240
accctactca	ctgtccagag	attctgggaa	aaaacaatag	agaagacaaa	gccagtctag	300
acaccatttg	actctacctt	gtgaatattc	tgaaagttac	attaggctaa		350

<210> 31509
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 31509
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 gtggtgcctg ccttaggact tatgggcagc cctttgtctg gacaaagggtg acagaccaac 120
 agttattgac ttagtaacag ctc 143

<210> 31510
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 31510
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 tttgtgcaag gcctgggtga gaatgttaca attgagtctg tggctgatta cttcaagcag 120
 awtkgkaatt aattaagaca aacaagaaaa cgggacagcc catgattaat ttgtacacag 180
 acagggaaac tggcaagctg aaggggagagg caaac 215

<210> 31511
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 31511
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 ttgtaatcct ycwsgagccc ggcgaaaaaa aaaatcaaak aaggggagcc agaagccct 180
 agaaagactg aaaaaggcta aagctggtga gaagtataaa tatgaagtcg aggacttcac 240
 aggtgtttat gaagaagttg atgaagaaca gtattcgaag ctgggttcagg cacgccagga 300
 tgatgactgg attgtggatg atgatggtat tggctatgtg gaagatggcc gagagatttt 360
 tgatgatgac cttgaagatg atgcccttga tgcwbatgag aaaggaaaga tggtaaagca 420
 cgcaatg 427

<210> 31512
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 31512
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 agaaacagga cagtaatttt aaaaaagtat tctgtatcac acataattat atatggtatw 120
 ctttttctac cactggcagt aaagggtctgt ttatagcagc atcaccacaa acacacaagt 180
 aatgtgttgt gctaagaagt tatgaagtct acaacatcac tagatgactg gtaatttttt 240
 tttattagat gcaatcattg taatttttat gttgtagagt gctagatttt ttgttctagt 300
 gtataattaa gtarcttgaa gaacaghkta atcctttaga agcttgtttt taagttttgt 360
 tgtgtgtggt ttgttattaa tagt 384

<210> 31513
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 31513

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gacaaagact	ggcaaattgg	atagagtcaa	gacccatcag	tgtgctgtat	tcaggraamc	120
ccattcctca	acgggcagag	acacatataa	ggctcaaaat	aaagggatgg	aggaagatct	180
accaagcaaa	tggaacacgc					200

<210> 31514

<211> 404

<212> DNA

<213> Homo sapiens

<400> 31514

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gttaaagtgt	tttgtggttt	tagactgcgt	ctctcttttg	caaattcctt	ttctgtgaaa	120
gaaaamcttt	gvaacacatt	gctatttgac	atttkattaa	tttgggtggg	ttgagggaga	180
agggtgagtt	tcagttttga	agttaaagaa	ttttacaatt	taggaggagc	tgaccctaca	240
gatggcctgt	ctcctgggtt	ccttcgcctc	aatagaaact	gcccttgctg	acgtcccaaa	300
tggcctctga	tcattgaagc	ctgttgtcac	ttgttagtcc	ttgacatgac	ttttcctgta	360
gtatttgatt	ctgctgatca	ttcctcatca	aagctgtctc	ttct		404

<210> 31515

<211> 249

<212> DNA

<213> Homo sapiens

<400> 31515

aaagtcatcc	ctgatccac	cagtgaagag	ttactatcct	accaacattt	ttctaagcat	60
atatacaact	ttaagacaag	cacgaaagaa	taatactgtg	ccaggcgcg	tggtcamgc	120
ctkgtkgkyc	ccaacagttt	gggaggccga	ggcggtgga	tcacttgagg	ccaggatttc	180
gagattagct	tggccaacat	ggtgaaaccc	cgtctctact	aaaaatacga	gaattagcga	240
ctcccagca						249

<210> 31516

<211> 75

<212> DNA

<213> Homo sapiens

<400> 31516

astttctgct	ctgtgtctgc	ccattgccac	gatccaggag	gactccgcgc	cgcccggtg	60
cctcygagct	cgggc					75

<210> 31517

<211> 72

<212> DNA

<213> Homo sapiens

<400> 31517

caggctgagt	tctactat	tttgcatt	ttactcatt	cttactgatt	cagagtttca	60
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<210> 31518

<211> 79

<212> DNA

<213> Homo sapiens

<400> 31518

ctggtagagg ctaatgattt atactttgag attaatagct tgtagattat tttcttttct 60
tttcttttct tttttttt 79

<210> 31519

<211> 114

<212> DNA

<213> Homo sapiens

<400> 31519

ctgctccaca tccacctctt aaccccgacc cctgctacaa cccagaggc cggactcctg 60
gattcatctc cctagcttcc ctgggacctgc cttagccgcc agtcgctgcc gagt 114

<210> 31520

<211> 302

<212> DNA

<213> Homo sapiens

<400> 31520

gcaaaatggc ggaaccgccc agccccgtgc actgtgtcgc tgccgcggcc cccaccgcca 60
ccgtctcgga gaaagaaccg tttggcaagc tgcaactctc ctcccgggac cctccgggtt 120
ctctgtccgs caagaaaggt csgdactgag gagaagaagg caccgcggag agtgaacgga 180
gaagggggca gcggcgggaa cagcaggcag ctgcagccgc cggcagcacc ttcgcctcag 240
agctatggca gccccgcgtc ttggagcttt gccctctgt ktgctgstcc stcscctgcc 300
ac 302

<210> 31521

<211> 140

<212> DNA

<213> Homo sapiens

<400> 31521

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ctgcccacac aggggccaag tgcgcccacaa ttccaagaat gaaggcagag cgacaacagt 120
gcggacaacc csggctgayt 140

<210> 31522

<211> 224

<212> DNA

<213> Homo sapiens

<400> 31522

ttgtgtattt cagttattgt ccctggcttc cttactatgg tgtaatcatg aaggagtga 60
acatcataga aactgtctag cacttccttg ccagtcttta gtgrtcagga accatagttg 120
acagttccaa tcragtwrgc tttaggaaaa aaaccgtgtt tgtctcttct ggaatggtta 180
gaagtgaggg agtttgcccc gttctgtttg tagagtctca tagt 224

<210> 31523

<211> 117

<212> DNA

<213> Homo sapiens

<400> 31523
 tatgagagat ataataataa gatataatat agggatacta agcatatccc tctaaataga 60
 agggatctcc actaccttaa gcctataaaa cagtcagagc tagtatagca gctgcct 117

<210> 31524
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 31524
 agaaaatcta agtgcagtat tctttctcag tattccaaga tctgtggggg aaacgtaggt 60
 agtattcttt gtgccatgcc cttttagaca gttttgctag ctgacataga aataatacac 120
 aaacaaggga gatataccca aagggatattt gtgtcctcct ttgtttttga gacccaggac 180
 a 181

<210> 31525
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 31525
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 cctgaagacg ggctccgccc ccggct 86

<210> 31526
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 31526
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 cagatattttt ccggaaaata taaaatttct tacttttctt tttcttcttt gaccgtttta 120
 tctcaagtt ctaaaatata aaatttcaaa gatgacattg taattgccat tttcagtgat 180
 gtgccatctt tgcttaagta ttttaagttt agataggaag tatagagaca ctgagcagag 240
 tctgggcaat gactctaata actagaagat atacagtgtt tatataaaat ttgagaatca 300
 gacagcccaa 310

<210> 31527
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 31527
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 acaccagtag ggatgaccag aggttttgct acatgtccga ctgaaggaaat ggctgcctcc 120
 catgtggaaa gcagctcttg gtttagaaca aaatctcacc gagtccagct cgagcctcag 180
 cgattttcac cgagatgctt ggggttaaagg ttgcattttc cccctccagg gagggggaag 240
 tccagatact taggaggcct 260

<210> 31528
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 31528

ccaactgagt	aataagcaac	ttgtcttttg	cttaaccttt	tgccagacgt	ggggtgttca	60
gataagtaat	cagatatgta	gggataaaca	atatgggaaa	taagaggaaa	ctacagcaaa	120
taaccttttt	aaatttgagc	tgaagtcatt	gtgaaggaa	gtgctttgtc	tgtagtgttg	180
ctccttggtc	atattgaagc	ttatgtacag	cacttagctg	tctgaccttt	cacggcagct	240
ttgaatcata	cattttcttt	tgaggaat	gttaggcttc	ttattgaaat	aaagtctcag	300
tcttagacat	catcaggaag	aataatatct	cccwdataaa	tgtttacatg	agcttgagaa	360
aagaacagt	gcct					374

<210> 31529

<211> 338

<212> DNA

<213> Homo sapiens

<400> 31529

tttagaaata	ttcagccaag	tttagcttca	aattacttta	ttgtgatgac	tttgacacag	60
aaggtactga	ataaatat	tttaccatgg	gctgggcatg	gtcacttatg	cctgtaatcc	120
caacaacttg	ggaggctgag	gtgggaagat	ccttgagccc	aggagttgaa	gaccagcctg	180
ggcaacatag	tgagaccctc	tctctacaaa	aaaaagaaaa	ttaatattag	ctgggtgtgg	240
tggcacacac	ctcacttgag	cccaggaggt	cgaggctgca	gtgagctgtg	atcgaccac	300
tgcatccag	ccaaggtgac	agagccaaaa	ccgtcwsa			338

<210> 31530

<211> 190

<212> DNA

<213> Homo sapiens

<400> 31530

tatctagtgc	tttcttgtct	tgactcagtt	tcattttcct	aaccacataa	atgctgacgt	60
ctcatttggt	ttcttataat	ttgcagttgt	tctgtgagaa	tcgtgactga	aatatgaaaa	120
atattttaaa	atttaagggt	ttcaactcaa	ataccattgt	agcatgcttg	gtaccagaat	180
gtccccccagc						190

<210> 31531

<211> 190

<212> DNA

<213> Homo sapiens

<400> 31531

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agacactgat	gccgaaactg	aacaaatggt	ttaaaagaaa	tgacaggtta	ttatccagca		120
ctgagagagt	taacaaggac	tganyaata	aggcta	acaa	agaataggat	gtgaatgttt	180
tcaagggcc							190

<210> 31532

<211> 295

<212> DNA

<213> Homo sapiens

<400> 31532

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ccccccc	gac	ccc	tagg	cct	gaa	agc	attt	taagg	ggg	gaga	tgagg	gcaa	cgcc	attttt	120				
gag	ttg	cact	gaact	cag	tt	aaa	cct	tg	tgt	tt	tct	tact	cat	gtgact	tgct	180			
ttag	ttat	c	taatt	ttt	tg	act	tt	gt	ttt	c	cct	t	cct	tg	agaa	aggata	caata	tact	240

tcatacatgt tctattgagg atcagactaa atgagattaa gaggtaaagc gccga 295

<210> 31533

<211> 333

<212> DNA

<213> Homo sapiens

<400> 31533

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gggggctgcg	gcctagaggt	ccgggcttgg	agttcgccctc	agacgcggtg	gagccgccgg	120
agtcctgagaa	ggtaagaagc	cgccggccttg	aggccctga	caactaagg	ctctgaggat	180
ctgcacttgt	cagggaggca	aaggatgcct	gggggtgtcag	gctgcggtac	catgcagttt	240
tgggaatgaa	ggacaactgc	ggtgaggcgt	ctcttcctgg	cagaggatcg	tgagattcgc	300
tgacagcgaa	gaagcacggc	aaggggcata	ggr			333

<210> 31534

<211> 197

<212> DNA

<213> Homo sapiens

<400> 31534

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ttaatcgata	aatgttgtgt	gtgggtctgrc	tgttccatca	acacaccatt	cccatctcac	180
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<210> 31535

<211> 167

<212> DNA

<213> Homo sapiens

<400> 31535

gaaattagtt	ggatattgtg	gcactcacct	gtgggtcccag	ctaccagga	ggctgggggtg	60
ggaggatcgc	ttgagcccag	gaggttgatg	ctgcagttag	ccgagatcac	gtcactgcat	120
tccagcctgg	gtgacagagt	gagaccctgt	cttaaaaaaa	aaaaaaa		167

<210> 31536

<211> 425

<212> DNA

<213> Homo sapiens

<400> 31536

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gggcaacgga	tgtgggtgta	ggtttgga	gttcccaaga	ccactctcag	gttcaaaaat	180
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agcaaaaaa	acaacaacaa	aaactttcaa	aaaactacac	agrttaaaat	caacagcaga	300
aaaggcacat	aggacaggga	ctaggagagt	tccacgagtg	agctttcagt	tgctctttcw	360
cagtgaatt	gtggrcagca	cttactgctc	ccagcagtg	tgtgtggtaa	cacgcatgga	420
gtatt						425

<210> 31537

<211> 282

<212> DNA

004220" 6667560

<213> Homo sapiens

<400> 31537

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gcacctggac	cagctatggg	tagttctgtg	ggtggaacac	attctgtgta	agagccccac	180
tgagggctct	gcagcggagt	gacagcaacc	ccagagatga	ggcaccagag	agtgccactg	240
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<210> 31538

<211> 294

<212> DNA

<213> Homo sapiens

<400> 31538

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ggaggcctgg	gatctggacg	tcaagcaaat	ttccctgggt	gaggcacctc	tcaaggggtg	180
gctcccaaca	gctcgggtcat	ggtggtgatg	ttcaggstgc	ttgctgctga	gcaattcctt	240
tttctagcca	agaagcccag	ttgccatgac	hnstatgtac	agcttcccca	ccga	294

<210> 31539

<211> 166

<212> DNA

<213> Homo sapiens

<400> 31539

ccgccccgct	cagcctccca	aggtgctgac	attacaggcg	tgagctacca	tgccctgatg	60
agaaacattt	cttaatgaaa	tggaacagccg	tatagtgaat	aggggatgaa	gagcaagaat	120
ttctgtcact	ccagtcctca	gctttttttt	tttttttttt	tttttt		166

<210> 31540

<211> 393

<212> DNA

<213> Homo sapiens

<400> 31540

cttttttaggt	tttttagtaga	gacaaggtct	cactatgttg	cccaggstgg	tcttgaactc	60
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cactatgcct	aaccatattt	tttccaatat	taaaaaatct	ttttttcccc	ctaaggaatg	180
tgttatataa	ggtcaacatg	tttttagtgc	ttcagtttga	cttgtctaca	tctaaagtta	240
actctttaag	gcttacattt	atgattataa	ttctttccat	cgagggattt	agtctccatt	300
attgtcatgt	ttcttgattt	ttttcattat	acttggttct	tctttttgtc	taggttttat	360
atatacctta	attaattcct	tcttggtctg	ttc			393

<210> 31541

<211> 154

<212> DNA

<213> Homo sapiens

<400> 31541

cacaaagttt	gttccctaag	gaaatcaa	cccattgtca	cctaactctg	aagatctaaa	60
tagcccttgg	atcagtagcg	gaaccccaa	tcccacaggg	ccagatgtgg	agtctgtgtc	120
tgcccccgtc	ttctctccat	cctcaaagca	cccc			154

<210> 31542

<211> 251

<212> DNA

<213> Homo sapiens

<400> 31542

aaataatctg	cacaccaaac	ccctgtgaca	tgcagtttac	gtatatgaca	aacatgcaca	60
tgtacccctg	aacctaaaat	taaaaaacaa	attaccagga	ctgaatctat	attgaaggca	120
ggaattcaga	gagagaagca	gagtattaaa	gactgctttt	cttctgagga	catttgccac	180
attctgagga	gcttttactt	tgcttttgaa	ggcctcaca	ggcacaggat	atagaaatgg	240
aagcccagga	t					251

<210> 31543

<211> 357

<212> DNA

<213> Homo sapiens

<400> 31543

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taatgatatt	gtcataatta	aaaggctgt	gaatctaggt	attgtggggg	tggctthgaa	120
gaagtatcta	cttagtcgtg	ttgaataaaa	tttttaaatt	tcgcagagaa	accctaggat	180
actgagtc	taattgaagg	agtcaacttt	ggggctggac	ttatgggtgt	gtcttatagc	240
agtataaatc	tgcgcascag	tagtatgtaa	gggattgcag	aaagaattta	atttcataga	300
accattatt	aatatgagag	ttacaaaatg	atactgattt	tgatttagca	tgccctga	357

<210> 31544

<211> 407

<212> DNA

<213> Homo sapiens

<400> 31544

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raggtggact	gtttggtgct	gcagctgcac	cgggttgggg	agcagctgga	gaaaatgaat	180
gggcagcgca	tgatgagct	ctttgtgctg	atccgggatg	gcttcctgct	cccaactggc	240
ctcagctccc	tgccccagct	gctgctgctg	gagatcattg	agttccgggc	ggccggctgg	300
aagacaacgc	cagctgcccc	caagtattac	tacagcgaag	tctccgacta	ggcctccaga	360
tcagggttcc	ctcaccagca	ctggcctttc	ttctaccac	ctctaga		407

<210> 31545

<211> 349

<212> DNA

<213> Homo sapiens

<400> 31545

ttcaatttta	atttttattc	agcctcttac	ctttttgcta	aaaccaaaaag	ttcaaaaagaa	60
aggtgatcag	ggcactccca	ggaatttttt	agccatgtga	gaatatatgg	tgaaatgatt	120
caagtagatg	caacatggtc	tactggaaaa	gcaactgagat	tttgaggaga	aaacttagct	180
ctgccattag	ttaattgtca	tcaaggtctt	cctatgaaaa	ttgtagtcca	attttcaaac	240
atttattgtt	tttctccaaa	gtgctaggca	tatgcttttg	tgctggagat	gaaagatgaa	300
taacatgtag	gtgctgtttt	tgaagaacat	cactgaagag	agagtgcgc		349

<210> 31546

<211> 314
 <212> DNA
 <213> Homo sapiens

<400> 31546
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 tacacaagtc atctgtcact tctagttaca ataggcggtt tacttggttt tcgtattcct 120
 gttcgggaat gttaaagatt ccaaaaatac ttagttttaa aacaagccca gtagtttctc 180
 tgagagtgtt tttacttttt aagttaaga agctgccaaa tgggttcgca ttctgactcc 240
 ttggagagta gaggttaaga gccctttcct cacactgttc tgttacaacc acttgattct 300
 aaccatttcc cccc 314

<210> 31547
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 31547
 ctcaacaagt aaacagatgt agagcatggt atcatatttt gaacatttct taaaagaggt 60
 agattcacct taaacacatt tctttataca tagatgttca ctaaaatgaa tcattaaagt 120
 gatttatttt aatagctctt ttatcactaa tggatgttga cctcagccca ttattttgtg 180
 cttctccata ctctttctgg ttggatttta gcatgtttcc gaagtgatcc taagatctta 240
 aatgggctaa agatgtttca agttctctaa catcctttta ttgtgataaa atatgcataa 300
 cataacattt agcatcctaa ccatttttta gtgtagaatt taagtggcra taagaacttt 360
 cgcattgggc caggtgcagt ggctcacacc tgtaatccca gcaatttggg aggccaaagt 420
 gggcagatcg cttga 435

<210> 31548
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 31548
 cagtggggag agatattttac taaatgatca cacaaataaa tgtgacatgt ctatgaagga 60
 aaggcataaa gtgccaatag ggggggttaga gatagcttcc ccctaaaaag gcaatgaagc 120
 taagatctaa ggaagcagta ggagttaact aagcaaagaa gaaaacaaag gggagcaa 178

<210> 31549
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 31549
 gcgcgcgggc agctgttggc ggtgcaggga ggaggacgcc ggggctcgcc ttccctcctc 60
 tgccgcgcgt gccgccatga ttccgggtgtc gctgggtggtg gtgggtggtg gtggctggac 120
 tgctgtctac ctgrmcgact tggtcctka agtcatctgk ctatktkaaa cattcttatg 180
 gagactggc 189

<210> 31550
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 31550

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cttgtaatg tctttcagaa gagtttttagg gtttccatca tatagatctt acacgtcttt      60
tgtagataa cagatctttg tattttgttc ctaaatactt cagacatttg tattgccatt      120
gtaaattgga tctttcttcc atkttctagk ttagttattg gkggtacatc tgraaagcat      180
ttgaggtttg tgtgctgctc tcttgatttt gtttctagcc accaa                      225

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<210> 31551

<211> 287

<212> DNA

<213> Homo sapiens

<400> 31551

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atagtaatgt gtatcttttg gtatccagtt ttattttttgg ccttctaaga aagtgtctca      60
taacacagaa cattgccatt tgctcttgta ggccctcaa atgaaagcta ttagtcatag      120
agcctaggaa aaaaagaatt gattaatggt cctttttatt tgtaacctta taaatgctgt      180
agatattatc aaaaaaaatt ttaatttcat attgtttaca tcatgcaact aatctaagcc      240
tcaaactcgt tattggggct ataaagaaaa cgtttactta cccagct                    287

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<210> 31552

<211> 319

<212> DNA

<213> Homo sapiens

<400> 31552

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atcctgctgc ccaacatggc ggagttcgac accatctcgg aactggagga ggaggaggaa      60
gaagaagcgg caacgtcgtc gtcgtcgccg tcgtcgctgt cgtcgggtatc tggggcccga      120
cgatgacgag gaggatgagg aggaagagga ggaagaggag gaggagggaag aagaggagga      180
ggaggaagag gaggagggaag cgccgcccc gcctcgggta gtgagcgagg agcatctgcg      240
gagatatgct cccgaccctg tattaagtgc gggtgccggc cacatcactg tgtttggtt      300
gagcaacaag tttgatact                                                    319

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<210> 31553

<211> 441

<212> DNA

<213> Homo sapiens

<400> 31553

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cacttgatga tagacttgaa aattgacttg agaaactgca cagtttctgt gcaacattat      60
ataggatc tttacaaagg acaacattcg aagcaagaaa ttggagctta rgsmagtatt      120
acactttcta tcttacctat actactctct gagaaaccca tttctagcct gtacagcata      180
gcttgtaaac tgtgatcttc gactagtatg aataagtctt gtgttgagtt taatttcaga      240
ggccgggagt ttatcagctg agccatctca cctgcattcc ttgcaagtca ttagagcctt      300
agatgcctgg cttggctttg ggcttctcca gcagagagca gtgaaacact gtcaataaac      360
ctaattctgg aaaccagagt agattccaag ttgggaaaaa agcaaaggca gaactagcag      420
gctcatcaga gttataaaga a                                                    441

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<210> 31554

<211> 447

<212> DNA

<213> Homo sapiens

<400> 31554

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tatgtctttt gaatttgtga tgtacatatt aacagtagat taagttgaaa taataaaatc      60
tgtattgttt atgatttate agttatatga tgagtagaat atagtctatt gtggscmagt      120
gtgtatatat aacataaaca atacattaac ccaattttgt gtgaaaatta ttttgggacc      180

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tagtagcttt	cttggtcaca	acctttcaaa	caaacaaatt	ttttttaaat	taattttttc	240
ccttaataaa	gaaaacaatt	cctcaatgtg	taatagcaaa	taccttttaa	cagggtcatat	300
atcatcaatg	ctttctttga	aancgtactg	atgcttacia	gatgctttac	gagtaaagat	360
gcttacaaat	cttttctttc	aagtagctca	tcctctgatc	attattctgn	tgtttgatat	420
ctactcccta	gcatttatcc	atgacgt				447

<210> 31555

<211> 242

<212> DNA

<213> Homo sapiens

<400> 31555

taatgaaaa	tgattactta	atattatcaa	atatcaagtt	agatgtcaaa	tttctcaatt	60
accacaacca	ttattaagtg	agtcaaatta	atcatatttc	tttttttgrg	acggraktct	120
tgctctgtct	cccaggctgg	agtgcagtgg	tgtgatcttg	gctcactgca	agctccgcct	180
cccagggtca	cgctattctc	ctccctcagc	ctcccagagta	gctgggacta	caggcacctg	240
cc						242

<210> 31556

<211> 139

<212> DNA

<213> Homo sapiens

<400> 31556

acttcattca	cttgcaaate	agtgtgtgcc	cacaagagcc	agctctcccg	agcccgtaac	60
cttcgcatcc	caagagctgc	agtttcagcc	gcgacagcaa	gaacggsaga	agcgggcgaa	120
cggcggcggc	ggcggcggc					139

<210> 31557

<211> 215

<212> DNA

<213> Homo sapiens

<400> 31557

acagaaggaa	tgaagtctga	tatagaacta	gggatggccg	tattggtgat	ggcaggtaag	60
agtcccta	tttttggcaa	atgtgcacca	gctgtgtata	gaaacccaka	tttktggatg	120
tctcttcagc	aagaggtaaa	ggaagctgca	actacagcca	gaaggcatca	caggaggcct	180
ctgcatgatg	tggtttccaa	agactcaagg	accac			215

<210> 31558

<211> 463

<212> DNA

<213> Homo sapiens

<400> 31558

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gggaaaaggt	cttaactttg	gatttcattc	tgaaatgaaa	gtggtttatg	ggawttttde	120
tkgtaagtcc	aaagataata	catactatgt	gtaggacaat	caaggaatac	agaaaattat	180
aagaaagtaa	agctgacatc	ccaccactgt	ggaataactt	ggtgaatats	battagtcat	240
gcaggaaaca	tttaacatac	ttaatagata	aacatactta	acagataaac	cacaaataka	300
tataggagaa	tggaaccata	gagggcvtgc	caccttgga	ccagcgtctt	tgcccttgaca	360
aaatgatgtg	tgttgtaghc	ytcttgcntg	gccacctgt	cagcctannt	ycggccttta	420
cagggaaatta	gcaggagtca	gttcaataat	gacatttctt	ctt		463

<210> 31559
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 31559
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 gtctctcaat ccacctatat ttctcaaacg aagtgabaga aaatagttca aaatttgtgg 180
 aaacaaaaca gtcacaaact acttccatag cttcagaaga tccccctcaa aacttatgtt 240
 tagcatctca agaagttctt caaaaagctc agcaaagtgg gagatcaaaa tgtctcaaat 300
 gtggtgggttc cagaatgttc tactgtata catgttatgt tccagttgaa aatgtaccta 360
 ttgaacagat tccacttggt aagcttccat tgaagattga catcattaaa catccaaatg 420
 aaacagatgg caaaagtact gctatacatg caa 453

<210> 31560
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 31560
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 tgaagttttt gttgtacatt ctttctgtga gcatataacc ttaatgggtg gggttttcca 120
 atatttggwa ttttcatata aatgcaaggc acaacatgaa agcaagaaca aagaaccaat 180
 ctatttttag atcattgtct ttcagtgggt tggagtgatg agadvdgagg gaggccctat 240
 cctaccccat gctggcatat caggatctct gggggaactt ttcaaactgc tcattttctt 300
 tggcccccagt aggaagcacc aggtgtaatg tgagcttttg cctgacagga gtgtactatt 360
 cttgaagaat attgaagcag aaaaaatgag agtactgttg gaggaagaag ttaatagstg 420
 atctgatt 428

<210> 31561
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 31561
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 aagtttacag tcaacactcc ttgtgtggg tcaagtctag aaatggcgrc gsytscttyc 120
 tccgaagata ggaaagaaaa ggacctcatt ccaactgagcc attgaccgaa atattttctc 180
 aacaaagttg aactgagctg aaactgtgtg aatcatggca atacagtga agacagtgat 240
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 actccattat tcttatctgt ggagatctag atcttgattt gaaagtttct gagaaaatct 420
 tcagctcaga cttgagggtc aactttacca gctgaaggag ctgtggagtc caagtgtgac 480
 t 481

<210> 31562
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 31562
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gac

123

<210> 31563

<211> 330

<212> DNA

<213> Homo sapiens

<400> 31563

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gtaacaatat	tctaaaggta	gactctcata	ggaaataaaa	gcagaactga	tgtccttcca	120
gaatgtatag	aaagcatatt	tattttcaaa	aactgtttgc	cagaaaattg	agcaaaactt	180
aaactgtata	cttatcaact	atttcctttt	aaagatactg	atttggtagt	cacagttagg	240
gaggaaatta	caaaattttg	ttgttgaaaa	gatacaatcc	agggaaagtg	cccgtccaca	300
ttagttagta	ttgctgctgc	tgaagccact				330

<210> 31564

<211> 442

<212> DNA

<213> Homo sapiens

<400> 31564

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gctaaaataa	tatttcactg	aaatctggca	ttaaaaaatt	taagtgggta	tttgagctc	120
catgtaatga	ttacagtttt	ttttcaattt	gaaataaata	agcgtccttt	gaatactaaa	180
agctgtttcc	ttttgacatt	taattaaccc	tgttttaaac	gtgagatgta	gtggtggttt	240
gctagtggac	tagacttttt	cttttaggct	gccaaaggct	ttgaagagga	ttatcacaaa	300
gttttgtgtc	agaaactgta	agtagtgcac	atttaatcct	aaaaactcag	gattgatgta	360
agcactggaa	tactttatct	gcagaaatgt	gtatcacatt	acttaatwnt	tttttgaaac	420
agctgtagga	agagtttagca	ct				442

<210> 31565

<211> 257

<212> DNA

<213> Homo sapiens

<400> 31565

tatttaggaa	taaaatggga	ggcagggttt	cctgacacag	ctcccagcct	gacttttccc	60
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actctggctg	ctgtgtagag	aatagggtag	aaagaagaga	ccagtttaga	gactacagaa	180
gatgtgatta	aaatttggat	atatatcgga	ggtagaactg	aggatcttgg	gcccgtgcta	240
cagaaagaga	atagagc					257

<210> 31566

<211> 205

<212> DNA

<213> Homo sapiens

<400> 31566

cttgtgctgt	gtttttcagc	tccatcaggt	catttatgtt	cttctttata	ctggttattc	60
cagttagcaa	ttcgtctaac	cttttttcaa	ggttcttagc	ttccttgcat	taggttagaa	120
catgcttctt	cagcttgagg	gagtttgtaa	ttaccacact	tctgaagcct	acttctgtca	180
atttgtcaaa	ctcattctgc	atctg				205

<210> 31567

<211> 173
 <212> DNA
 <213> Homo sapiens

<400> 31567
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 actgcggasa tatagaagat aattacatat gcattgtgca tattagaaac tgaaatttct 120
 gttttccttt agaaagaaat tcctgttcat ggaattgaat caacagcgac ctc 173

<210> 31568
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 31568
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 ggggtgactg aataaagcct gttgtaaaga tagggtaagg aagaatagac ctaataaaaa 120
 tgaaargrat gtattaggct tataaggatt actgttatcc tttaggaatg caggtagatt 180
 taaggggaagt aggggtgagta cttgtgactt ccaggaggaa gaggagagat caggctggct 240
 gtccgacgga cacggcttta ttctggaacg gtgaacccaa tggggagggt cctgcaggcg 300
 gatggcagtt ggggtactat agatgactaa gtagggtcng gtccatcgag gttgtag 357

<210> 31569
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 31569
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 ctaaagcata tcaaagttcc ttaatttatg aggggtgtgc ctaataaacc catcataaat 120
 ttgaaaatat cttaagttga aatgcattta atccacctaa cctactgaac aa 172

<210> 31570
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 31570
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 agagtcatca gggctgccct ttggtaatgc aaattattaa tgatttttta tcttattaaa 120
 ataattttac agtcacatct ttcataagctt tttaaaattt taaaatttaa aatttattta 180
 tttatttttt agagacaaag tctcattctg tcaactcaggc cggagtgcag tggatgatcat 240
 agctcaactgc agcctcaaac tcctgggctc aggtgatttt cccacctcag ccaagtggct 300
 gggactacaa gcatactcca cc 322

<210> 31571
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 31571
 tacaaagata catgcatagc tatgttcaact gcagcagtgt tcacaatagc aaagatatgg 60
 aatcaaccga aatgtccatc aatgatagac tagataaaga aaatatggta cttatatagc 120
 atggaatact gtgcaaccat aaaaaggaat gagatcatgc cctttgcagg gacatggatg 180

gatctggaag ccattatcct cagcaaagta acacaggaac agaaaaccaa acaccacatg 240
ttcttactta taagcgggag ctg 263

<210> 31572
<211> 311
<212> DNA
<213> Homo sapiens

<400> 31572
cataaggatt aggccttctg ttcagtgatg ccttttgtac aggttgagta gctagaacta 60
cctgcatggg ataatttgaa gtttcatagg aaggccctga aatagtactg ttctytccac 120
cccaaaatgt gagncatata tgtaatttaa aatgtttagg aagccacatt aaaaaatttt 180
taaagaaacg ggcgggaaat tagtttcaat atatttgatt taacctata tattttaaatt 240
ataatttcaa catgtaatca gcataaaaaa tttttactca gtctgtgcta tattttacac 300
ttagcacata g 311

<210> 31573
<211> 84
<212> DNA
<213> Homo sapiens

<400> 31573
gcagcagggt aggggctgag ggctcgtctg gaggggtggcg gctcctggga ctggctctgc 60
aggttccgtg ggactggagc ccgc 84

<210> 31574
<211> 327
<212> DNA
<213> Homo sapiens

<400> 31574
tataatgttc acaggcaatt gtgctgaaaa gccattttcc tgctgggcac agtggctcat 60
gcctgtaatc tcagcacttt gggaggccaa ggtgagtggg tcacttgagg tcagtccgag 120
accagcctgg ccagcatggg gaaaccctgt ctgtactaaa aatacaaaaa ttagctgggt 180
gtggtggtgc gcacctgtaa tcccagttac tcaggaagct gagacaggag aattgcttga 240
acctggaaaag tggagggtgc aatgagccag gattgtgcca ctgtactcca acctgggcaa 300
cagagtgcaca ctctgtcaca aaaaaaa 327

<210> 31575
<211> 198
<212> DNA
<213> Homo sapiens

<400> 31575
ctactcttcc acatcagtgc gtttacctgc gttcatcagc accttttatt accaattttct 60
ctccacattt cttgtcaggt tgaatcctgg gttttgggaa tatgaatagg atcttttttt 120
cttattattt tctaaagggt agtgtttaca tacarggaaa gataggctgt gtgtgtgtgt 180
gtgtgtgtgt gtgtgtgt 198

<210> 31576
<211> 434
<212> DNA
<213> Homo sapiens

<400> 31576

aaacaggtat	taaaggacta	agaattggga	ggacccagga	catccaatta	agagagtgcc	60
caaggggggt	cagcataatt	atttgcttgg	ttggcaagtt	tttggactct	atccttgagt	120
ttttttatgt	tgtcatatac	caggscagra	tgrattnagg	taaaaacaac	actcttcatt	180
taaanataata	cagagtcgtc	ctttttcagc	aatgagtaaa	ttgaggcctt	ggcgattttg	240
gaggaaagag	aattgcaaag	ccagcaattg	tttctttttt	tatttattta	tttacttatt	300
ttttaaaatt	atactttaag	ttatagggta	catgtacaca	atgtgcaggt	ttgttacata	360
tgtatacatg	tgccatgttg	gtgtactgca	cccattaact	cgtcatttac	attaggtgta	420
tctcctactg	ctat					434

<210> 31577

<211> 448

<212> DNA

<213> Homo sapiens

<400> 31577

gtctagcttt	aatgtgttgt	tgaggttgat	ccattgtaac	atgttatcac	tacttcattc	60
ctttttatag	ctaagtatac	tttttatagt	aagtatgcca	ttgtagatat	ataccacaag	120
tttatcgatt	catccagttg	agktgtttct	actgtttggc	taatgttcat	agtgcgtgta	180
tgaatgttcg	tgtacagtat	ttgagtcctg	gttttcaatt	atttggggta	tatgcctggg	240
agtggagttg	ctgggtcatg	ttgaaatcgc	acattttaact	ttttgaggaa	ctgtcaaact	300
ttccctcagc	agctgtaccg	ttttaacttc	caccattgat	gtatgagggt	tccaatttct	360
ccacaccttc	accaacactt	attttgccat	tttaaaaatt	atagccatcc	tcatgggtgt	420
ggtctctcat	tgtgggtttg	atttgcatt				448

<210> 31578

<211> 200

<212> DNA

<213> Homo sapiens

<400> 31578

tcacagtcga	cagtgccttg	tgctgtcttc	actacccaga	gtttaattct	gttgaggttt	60
accagccacc	actgcaggtg	gaggatttaa	tttagccagt	agttatatac	cagactgtta	120
atgtctttgt	tttgacaaat	gtactatggg	tgtgtcagtt	ngttaacata	gtagaaattg	180
ggtgaaaggt	atataggagc					200

<210> 31579

<211> 246

<212> DNA

<213> Homo sapiens

<400> 31579

ttttaagact	atcaccaaaa	aactatatct	gcccaatata	cagatcagta	ccatgagttc	60
ctaagtgccca	agtgggccac	agtatctgga	gtttcccctc	ctggtagatg	ggcttgagca	120
ggcaatgatg	agttctctgc	tctcctcttc	cagaccttga	agactgttgt	cccatattgt	180
agtatgttag	tgtaagttag	ctgattgtat	tctttctaata	ttgtttggta	ttgaaaagat	240
ggccgc						246

<210> 31580

<211> 294

<212> DNA

<213> Homo sapiens

<400> 31580

acatacacgt	caattaatct	gattcatccc	ataaacaaaa	ctaaagataa	aaaccatgtg	60
attatctcaa	tatatgcaga	aaaggctttc	aataaaattc	aaggcctctc	catattaaaa	120
actctaaaaa	atctgggtat	tgaggaarca	tagctcaaaa	gtgatgrgct	gtttttgtac	180
cagtatcatg	ctgttttggt	tactgtagcc	ctgtagtata	gtttgangtt	gggtaacatg	240
atgcctccag	ctttgttctt	tttgctgagg	attgcttggc	tattagggct	cttt	294

<210> 31581

<211> 471

<212> DNA

<213> Homo sapiens

<400> 31581

tgaagtattg	aatacgcttg	ataccacttt	cttgaaatta	agtcctcct	tagtttttgc	60
ccattgcata	ttttggcttg	tcttctattg	ccctgattag	ccttcactct	cctctctggt	120
atgtgcttct	tccatggctt	tcttccctag	ttgramtckt	aattttttcc	aataaaagkat	180
acagttattc	agtatttcta	agtatctcca	gagcataaca	gtgattttag	tgttttttgc	240
ttgtttgttt	gttttttaat	tgagtcaggg	tcttgctctg	tcacccatgc	tggagagcag	300
tggcgtgac	tcggctcagt	gcagcttcaa	cctccccggc	tcaagtgate	ctcccacctc	360
agcctctcca	agtagctgga	atatagacgt	atgccamcac	accagctaaa	ttttgtttca	420
agttttgtag	agatggaatc	tccctaagtt	gccagggctg	gtgtcgaact	c	471

<210> 31582

<211> 286

<212> DNA

<213> Homo sapiens

<400> 31582

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ccggggggact	ggccggcccc	cttcgtgcct	gcgggaagtc	gggccggggg	actcttcgga	120
aactccgagc	ctcagagaaa	tatsgccgct	ccgaasgctt	gcssgkccta	ctgggtgcagc	180
cagcagcgcc	tgaatcagca	gctagcacga	cagckagagc	aagaggcccc	gcttcggcag	240
cagtgggagc	agaacagccg	ttacttcagg	atgtctgaca	tctgca		286

<210> 31583

<211> 296

<212> DNA

<213> Homo sapiens

<400> 31583

tgacactatg	atcattcaac	atTTTTTTTaa	aataaaattaa	TTTTTTTTtag	TTTTtagggat	60
taggcctcac	tctcttgccc	aggctggagt	gaagtggcgc	agtggcacag	tcatagctca	120
ctctaaccct	gaactaactc	ctcaastyma	actggwtcct	ckgcctmag	cctgccaagc	180
agctgggatb	atagacatga	gccaccttgc	ccagctcagt	atcatttttc	acattcaagc	240
taatgaaata	attcaataga	attaaacaaa	tgcttttcaa	aaatgaagtt	ggaamc	296

<210> 31584

<211> 289

<212> DNA

<213> Homo sapiens

<400> 31584

taccagataa	caaacactga	actcctatTT	gaccagaact	TTTTcctctc	gagatagttt	60
tttcttttta	atgaaaaaag	cataggaatt	ggagattggc	ttgtctcacg	cagccagtgc	120
acatttgga	ttgrcggaaa	caacgktgcy	watttyccac	csattkgttt	tcggcagcct	180

taaggccctc attctcattt cgggtgaatc tgtctatctg tgaacgtggc ccgcatgtgc	240
attctttttt ttatatatat aaagtcagtg acgaggaact cccgagact	289

<210> 31585
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 31585	
ccatcaaaag acctttatac tagtttgctt ttagacgagt ttagatgctg aagaaattag	60
aatcagaaat gagtttaatc tgggtcaatt ctctcatttt acataaggaa gggagtggtc	120
ttgctcaagg ccatcagcaa gtagtcaaca agrccaggag ccaaggttta ttccactatg	180
gtaatgttgc cagggttttc tgtgtttgct agtgtataaa atgtattctc cctctcattt	240
cgtaacgaac atcccattca tccagactat acaaagcgca gtgccagagt gaattgatag	300
atgatactgc tccctagtag cagaacttgg caacacacaa ctttgcaata atgatgagat	360
tggttatctt ctatcctttg cagaaaaaac acgccgca	398

<210> 31586
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 31586	
ctatgagggg agtatacttg tagtagcatt ttgctagatg agctgccttt attccaaatc	60
aataaatgag tggctctgagc acatgtttct ttttttgaaa tagtttcttt gaagttttat	120
tgtggactta aatctaatat ccctggc	147

<210> 31587
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 31587	
acttatataa cttasttaaa aatvstcaaa tctcttcaat gcagcctacc tccgctcaca	60
attccacac	69

<210> 31588
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 31588	
agttgaagct gacaagcagt ggtggcagca cccagtgagg ctgatcactg gatcagtggt	60
gaagtctggg caccaccgtg tgaagacagg gacagtggtg aagagggaag agcccgtggg	120
agaggcagct ttggcctttg actcagtgra tttaggtttt tataaaaagg gtccccgtcg	180
tgttgacgtg actttcttct cttatgaggt aatttgttca aaactgtctt gcagattcaa	240
aagtggtcaa tacaacgttt attaaagaac aagggaaaga gagaactaat gtgtattaag	300
cccttcagtc tcacctacta agcacctact	330

<210> 31589
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 31589
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 gcctccaca 69

<210> 31590
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 31590
 cacagaagag gatatagact tttttgtaca atgtgttgta caatgtgttt gtgttttaag 60
 tgttattaca aaagagtcaa aaagttaaga aactttaaaa gttcataaag taaaaatggt 120

<210> 31591
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 31591
 tttgatgaag aaccaatttt ggcggggggg aaatatgtca ttgactgata aagtctgttg 60
 atattgaggc wrtatcaaat tactataaac gtttcttttt ttttt 105

<210> 31592
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 31592
 ccatatttgc atgggtctat ttatggacct tccattctac tatctgttcc tccttgcaca 60
 atactgcaca nntggtagct ttatattaaa gtttgatatt tataggncaa ggcaactccct 120
 cccaatttgc tcttcannna agtcttggct attgtttaat gactggacac aaattgttng 180
 aacagtatat acagattcct taagtaagtc ttaaaaaatgg maaagccabc caggtgtggt 240
 ggccaytcc cgtaatccca gcactttggg agtccaaggt gggcagatca cctgagggca 300
 ggagttcgag atcagcctgg ccaacatggt gaaachcgtc tctactaaaa atac 354

<210> 31593
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 31593
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 tctccaggac cttgtaaaac ctgttctgag ccaaaaaaga taaccagttc ckkckgcsat 120
 ctatgacaat ccaaattctca tcaaaccaat tccagtgaata cccagtgaata accagcaaca 180
 gcgtatacct cagcccaacc agaccttaga ccctgaaccc caacacag 228

<210> 31594
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 31594
 agatttttta tctccttcag tttctcttta cctttgggac accaaaaact tgaatatttg 60
 attgctttat ggtgtcccat atgtcacaag agttttgttt atktktttaw tttkaktkt 120

ttaatgttgt	ctgattgggt	tattacaaaa	gacctgtctt	caatttctga	aattcttcct	180
tctgcttgat	ctagtctatt	gttgacagctt	ttgaataaat	tttctgttyk	attcaagaag	240
ttcttcaatt	ctagaatttc	tatttttgatt	cttttgtaar	cttctcataa	tattctgagt	300
tgtttttctg	atatctttgt	attgtttttc	tggattctct	tgtacctcac	tgaacttggt	360
taatgtcatg	attctgagta	cttttttttag	attgcatagg	tttatttttc	atta	414

<210> 31595

<211> 415

<212> DNA

<213> Homo sapiens

<400> 31595

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ttttttactt	tgtgacttat	taatagtagt	agtatatacg	ttcttataca	catcttctag	120
tgtacatgtg	catgcagatg	aagacattaa	cacctgtctt	cagtttttagt	aagtattccc	180
taattattca	acgtacttat	tccagttttac	atccctacta	acagtgtgtg	acagttgttt	240
cacatccttg	ccaacacttg	gcattaacta	atcttgtgag	catataacag	tatttcattg	300
tcactttaat	aagagccctc	ccccttttca	tatgtgtttt	ggctgattcc	tacttttgtg	360
aacttttagtg	gttcattgga	ggtttttttt	tatkttttyat	tttttgaggc	agata	415

<210> 31596

<211> 340

<212> DNA

<213> Homo sapiens

<400> 31596

ctattactag	tcattgcccc	tgtgctattc	tttgtgtaga	aggatgatgc	catgagtttt	60
ggcttgatgt	ttatgatgta	tttatgttaa	ctcaaattct	ctttcattga	cctatcctct	120
ttgtgactaa	tgaaacgcct	ttgcaaaagg	gccagttttg	gaggggtggg	tgttctgtca	180
gcagtaacat	ctcagatctg	tttatgcctt	ggagggacca	tgtcctcagg	ctagatctcg	240
ggggctcagt	attctagtag	cataaatatt	tttagaactg	tctttttgag	ttctactttc	300
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<210> 31597

<211> 481

<212> DNA

<213> Homo sapiens

<400> 31597

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tggtcacac	cagcactttg	agaggcccag	gccggcagat	cacctgaggt	caggagtcca	120
agaccagcct	gatcaacatg	gtgaaactgc	gtctyytact	taaaawtata	aaaaatcagc	180
cgggcgtggg	ggcggggcgc	tgtaatccca	gctactctgg	aggctgaggc	aggagaattg	240
cttgaaccgg	agaggcagag	gctgcagtga	accaagatcg	tgccattgca	ctccagcctg	300
gtcaacaaga	gtgaaactcc	gtctcaaaaa	graaaaagaa	aaaatatgaa	atgtgtaaaa	360
atattgactc	ttgatatagt	taattcttca	gagtttgaar	gagccggaat	dgstgctctc	420
aggatatgag	gcctgggtgg	aacagacttc	tagttctgcc	ataaaggttt	gtgtttgaca	480
a						481

<210> 31598

<211> 287

<212> DNA

<213> Homo sapiens

<400> 31598

gtccttctcc	tgtgcttact	caaagatggg	acattgtgca	caatgagaag	agtattggga	60
ccagtaagga	agaatgagtc	agatattgtg	ggacctcttt	ttttgttggt	tttttttgc	120
cccagaaatc	tttgaggtaa	gtaacatagt	taattkragg	kcytggrgtw	atgtactcca	180
ttkattcatt	ttttcttaac	atagtccttc	cttactatgt	gatattctct	gtcctagatc	240
ttgaaaatac	aagttaaata	tggcatattc	tttacctcta	tgagctc		287

<210> 31599

<211> 76

<212> DNA

<213> Homo sapiens

<400> 31599

tagaataaaa	tccaaacttt	taatattagg	ttgtgaagtt	ctgtagattc	tttgtctttg	60
ctcttatctg	gtacca					76

<210> 31600

<211> 215

<212> DNA

<213> Homo sapiens

<400> 31600

tgtgatcaact	ttgtttcaaa	ctcttttggg	aaaagatctg	cctgggatac	ttttgcattc	60
ctactttccc	aacaaaaaca	gccataggca	aaccagaaat	aattaacgcc	gtcattgagt	120
ttggtccaga	ggcccacaag	aaatnckact	ttcakcktak	ttwaggtcac	taggccccat	180
tgagccagca	tgacctgccg	gcaagcacc	agagc			215

<210> 31601

<211> 278

<212> DNA

<213> Homo sapiens

<400> 31601

tcaactttat	ttcacagaat	tttctcattc	ttttgtacc	tacatagaat	ttcactttat	60
aatatacaaa	agatctttta	gcaagccctt	attgatactc	atgtggattg	ttttctgtct	120
ttaggtatta	aaatgctgta	ttcaataatt	tkggggacat	atatgtcatt	tcacatatat	180
acagatgtgt	atcaggtgta	cattccaaaa	gtgcactgct	gagtttagagg	tatatgtatt	240
tgtaattttg	atggaagctt	taccaattta	cagtcccc			278

<210> 31602

<211> 353

<212> DNA

<213> Homo sapiens

<400> 31602

tgacagtttt	taatgcagag	atgcctagaa	agaagctacc	acccacatg	ccaatcctcc	60
aagcaggcct	tgtacccagc	catgggcgaa	agggctgtac	tgagaaccac	caaatcctgg	120
cctagccsag	aatgggtggc	ggtgttttcc	aggtaccttg	gtattcaaaa	aagccttaga	180
acagcagatt	ttggttttgg	aggacagggg	tggagcatga	aaccatgctc	atagtattta	240
tctataacca	atacaatgtt	taaaatgacc	cgtcccatc	gggaagggcc	gcgcaggcct	300
aatggcccct	ctgcacattt	cctcttgggc	aaggcccaac	acaagtgcac	mhk	353

<210> 31603

<211> 248

004220" 666E7560

<212> DNA

<213> Homo sapiens

<400> 31603

aaaagtatat	ggcggacaca	cagataatat	ttattatata	tttttatata	ccttatgtat	60
aacttatatt	cttttacagc	tacgcaaggt	actcaaaaaa	gtgattttta	aaaccctca	120
gtggctcgct	attttctcgg	gttaggggtca	gattgtttat	gtggcctgtg	ttgcccttca	180
tgtcctggcc	cctgctcgcc	tccctccct	gagcaacca	cggaccctgtg	gctgcctctc	240
cccttcat						248

<210> 31604

<211> 137

<212> DNA

<213> Homo sapiens

<400> 31604

ctccctggtg	agcagagggg	cggccacggc	gggcggtggc	ctagagacc	aggacctggg	60
cgcctgggaa	aatggaatgc	aaccacatt	gtaaagccac	tggcatctga	ttatctccat	120
ttgaacacac	aacacaa					137

<210> 31605

<211> 267

<212> DNA

<213> Homo sapiens

<400> 31605

ttaaaaataa	gaaaaaatgt	aaatgtataa	tagaccaaaa	attgttctat	ttttgtcctt	60
ggggcagtga	tgtaaataca	tctcatatct	atgagacatt	gctagttata	aggaatatct	120
atgktctcct	tttcttctta	ggcacatagc	agtcagttct	gaataattga	ttgtgagctg	180
aaatagtcac	ttttagggct	cnccatttaa	gcctccatct	gaatacagag	gataacaaag	240
gcttagaggr	gaagggrgcc	acaatat				267

<210> 31606

<211> 313

<212> DNA

<213> Homo sapiens

<400> 31606

tagaagcaag	tataggtata	acgtggacta	tcaactgata	tctgcaaata	atttggttaa	60
aatgaaattt	gattgtagta	ttgttgctg	taggattata	aatgtcaaata	atcattgtaa	120
acatttckta	tattttttaga	aatatcttgg	gtggcctgaa	acagaagtga	ggaaatcaat	180
tttttaaggt	gagccatttg	gcttttttaa	aaaattgaga	ttcaacttac	ataccataaa	240
gttactctt	ctaaagtgtg	caattcattg	gtgttagtat	atttacagag	ttgtacaact	300
attaccacta	aat					313

<210> 31607

<211> 192

<212> DNA

<213> Homo sapiens

<400> 31607

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atgcaaagg	atataaccac	tttggaagac	agtttgatgg	cttcttacia	aactaaatgt	120
acycctwaca	kgatccagca	atccttctcc	ttggtattta	cccaaagaaa	ctgaaaactt	180

atgtccacac aa

192

<210> 31608

<211> 226

<212> DNA

<213> Homo sapiens

<400> 31608

agttggatat	tcacatttat	ctttcagtgt	taactgggta	tcagttatga	gtctactact	60
gtataatggc	atccaaaaga	atcttanagt	acctcggttt	atagggattt	acaattcagt	120
agraamcttg	twattcatgt	gaaacagtga	acataatatc	taatgatgtg	gagcaagtac	180
attaaaaaca	ggaaggaaga	gatctgtgat	taaactaaag	gcccg		226

<210> 31609

<211> 161

<212> DNA

<213> Homo sapiens

<400> 31609

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<210> 31610

<211> 122

<212> DNA

<213> Homo sapiens

<400> 31610

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<210> 31611

<211> 491

<212> DNA

<213> Homo sapiens

<400> 31611

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agtaattaaa	tatttgaaaa	ttgcwagaag	ccttcagata	gtttatacat	tttgggtgctt	180
gcatagatgc	ttttgtaact	ctttacaggc	ttaatatatg	ttttagtgtt	ttaagaaata	240
ctaacttctg	ggtacttttg	ggatgaaatt	tttcattatg	tcgtttggga	ttgagaacat	300
ttaccatcac	taagtcatat	ttatatacct	ctgctaggty	tttgtaagty	atacttggtg	360
cttgaatttg	tttatttttg	tgtttaaaga	acatgggttg	tgcgggagag	gtggatgaag	420
acttggaagt	tgaaaccaag	gaagaatgtg	aaaaatatgg	caaagttgga	aaatgtgtga	480
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<210> 31612

<211> 313

<212> DNA

<213> Homo sapiens

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 ttttgaataa gtaatamcat ybtacatggc ttaaaactga aaaacgtatt cctgttactt 180
 cttgatgctt ttgagaaatg aataatgttt tctccctttt aaatggtagt acagcatgca 240
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 cccttctccc caa 313

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 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 31613
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 ccagaaagaa ctcccaaact ccagccttt ctgaattgga ggattatctt tcctatgagt 180
 g 181

<210> 31614
 <211> 492
 <212> DNA
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<400> 31614
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 cttttgcatt ctttgagttc agttttaaag acagttactt taagcccat ttaaaccctc 180
 aggctagaaa tcgtaccact gtttaattagc cacattatctt ggtctaacag tttatcattc 240
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 tcgcttcaact tttaccctga cacgtataaa tgactaggaa tgaccttcag atagckttag 360
 caackgtaac caatctgrca ataattgtgtt catcaggtac ctgtggatta aatcacatac 420
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<210> 31615
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 31615
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 aatgccgtta ttgggtttta gtwmctcatt ttaaatccta gatttgtact ttgaattttc 180
 tagtaagatt ttcgaagtag cagtcaaaac aataagtctc atttatttga gagaataacg 240
 aaaaaaagag ccacgtc 257

<210> 31616
 <211> 184
 <212> DNA
 <213> Homo sapiens

<400> 31616
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atatttatga agagcctatt agcagcatag acttgattta aagaacttct ccagtttatg 120
 aatacagttc atctcttggt gaatagaattt agcactttaa tgctatttat ttactccaca 180
 cttt 184

<210> 31617
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 31617
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 actttgggag gccaggcggt gaggatcgct tgagcctggg agttcggcct tggcaacata 180
 gcaagactcc ttttctataa tacaaaaaaa taaaaaaatt ggccgtgtgg actggctcgc 240
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 gaggtgcag tgagccgaga tcccactaat gtactccagc ctgggcgaca gagctgaggt 360
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 <212> DNA
 <213> Homo sapiens

<400> 31618
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 gactgcattt ctcaacttcc cttggagcta tgtgtggcca catcactaag tcttgccga 180
 taggatatat gcaaaagtgt caactatcca cttccatgaa tctccttaaa agatagtgt 240
 gtcctttgcc cttcctcttc atcctctctc tagttgctgc cttaaataagg gcatggtggg 300
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 cacacactca catttttttg ctttgttctt ttt 393

<210> 31619
 <211> 205
 <212> DNA
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 tcagaccagg gatcgtcag gccctgtca cntgtgggcc cggggaccac ttgggggagg 180
 tcagaggatg tatgtggccg gaccc 205

<210> 31620
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 31620
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 acgcagaaga tgggtgattt ctgcatttcc atctgagaga tgggtatcac tatcttggcc 120
 agcctggcct tcaactctgg aattcaagtg attctcctgt ctcagcctcc caagtagttg 180
 ggactgcagg ttgcacaagt acacctggct ctgatttatt attgaagact ccagt 235

<210> 31621
<211> 478
<212> DNA
<213> Homo sapiens

<400> 31621
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atccagtgcc ctttgatagt ggactttgtc tcaactctca gtaatatctc ctgcctctcc 180
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tcttaccact gtaataaaag atattttttt gtttgtattt ccaaggtag cctttgtttg 420
gggttagcct ttgtttggat ttttccctg ttactgttag cgcttctctt gctgtctt 478

<210> 31622
<211> 174
<212> DNA
<213> Homo sapiens

<400> 31622
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acaggaacag aaaaccaaact actacatgct ctcaattata agtgggagct aaacactgag 120
cacacatgga cataaatatg ggattaatag acgctgtgga ctactagagg ggga 174

<210> 31623
<211> 191
<212> DNA
<213> Homo sapiens

<400> 31623
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ggtcagggag aaagattttc ccatagagcc tcctgaaagg aatgtagctc agatggcacc 120
ttgattttta gccctgtgag atcgatctca gatttctaac ctacagaatg ggggaacaga 180
gttttttttt t 191

<210> 31624
<211> 126
<212> DNA
<213> Homo sapiens

<400> 31624
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ttcgtctctc cccctcggtc tgctcactcc tgggtgcagc ctatccgcct tcccaaacc 120
tccct 126

<210> 31625
<211> 232
<212> DNA
<213> Homo sapiens

<400> 31625
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gagcaacgcg castgctccc tccctccgtg tccctcggcc accgcccttc actgctcct 120

tccgtgtgrt gamagcccg tkgttctcct gtctatgtga khctgggcat gcgaccacgc 180
gtccctgccc aacctggctc agttcagctg gagacagggc cgacccgctt gc 232

<210> 31626
<211> 281
<212> DNA
<213> Homo sapiens

<400> 31626
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ttaagtadt cttaaaaaaa bmtatttttt tctggatcaa attttagaat gcttcttttg 180
gattttaaatt ttatggttag tagattattt ttagtgtaat tccttggtta gtgctttttt 240
ccccacatac atagtctgta gtttaagtcc tttttttttt t 281

<210> 31627
<211> 102
<212> DNA
<213> Homo sapiens

<400> 31627
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aatgtagaat taaacagata cgtaattaat tcctacacac ac 102

<210> 31628
<211> 276
<212> DNA
<213> Homo sapiens

<400> 31628
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aacatcatct agaattaatt tgattttctt tttagtataa tggatacgaa agtcaccata 120
tttttaaaag aggcmaawty cacrttacet ttttaaaaaa tctaccagct ctaccaatta 180
aggtgaacta ttatagcagg gaagtgttta gctagagaaa aagagaattt tatttagtat 240
cccaggagta atgatttgaa gaaatatatc gtgcga 276

<210> 31629
<211> 268
<212> DNA
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<400> 31629
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ctctctgtac cattcattct cctgaccgg ctttcttgc cgagggttct gtggctctta 120
cccttgtaga gcttttccct ttagcctggg acagaaggac ctcccagccc ccaaaggatc 180
tcccagtgc caaaggatgc gaagagtgat agttacgtgc tcctgactga tcacaccgca 240
gacatttaga tttttatacc caagccac 268

<210> 31630
<211> 331
<212> DNA
<213> Homo sapiens

<400> 31630

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ataatgaaaa	atctagatca	attcttcaat	ttgattgaac	tggtcagcct	tttcaagatt	120
tctttattta	caaatgatta	cattttwaatt	gawtgtacat	tcttctcact	gactttgggtg	180
attttgaaac	ctagaatgat	gtgtttctat	ctgtaatatc	tttccatttg	aaaaaaatct	240
caaaacacag	attaaaacca	ataggctgta	gtatttttta	ttttgggagc	cagagtatga	300
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<210> 31631

<211> 235

<212> DNA

<213> Homo sapiens

<400> 31631

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tgctctgctt	aaaaaatcat	ttgagcagcc	gacagtgtctg	acagtgccac	tatgtgggca	120
gaagcacagc	ttgactcaga	ccctgacaac	tgttgatctg	ggagagggaa	agagaagact	180
gtttaaaacc	tgttgagaag	gtactgatga	catggagatt	aatttgacac	cagtc	235

<210> 31632

<211> 116

<212> DNA

<213> Homo sapiens

<400> 31632

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ggaaagctgc	tttgttttat	taggaacgac	ttgatgtcac	atttggaagg	cagtg	116

<210> 31633

<211> 306

<212> DNA

<213> Homo sapiens

<400> 31633

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cccaagtttc	ttttccctg	gaaaataaaa	aaggtaatag	aacttgtagt	ttatttaaac	120
cccatgtcat	gaggaggtag	tagttccaag	caacaaactc	cttaatttgc	tctaatagat	180
aggtatgggt	taatctttcc	attgtgtctt	ttcatTTaat	tttctgaag	cttgcaggat	240
agattgaaat	gttatagggt	tgtttgaggt	aaccaaacag	tatgcaaatt	aagaaaaagc	300
cagagt						306

<210> 31634

<211> 442

<212> DNA

<213> Homo sapiens

<400> 31634

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gcaagtatat	ttatttctag	caaacagatg	tttgttttca	aaatacttct	ttttcattat	120
tggtttttaa	aaagcattat	ccttttatct	cacaaataag	taatatcttt	cagttattaa	180
atgatagata	atgccttttt	ggttttgtgt	ggtattcaac	taatacatgg	tttaaagtca	240
cagccgtttg	aatatatttt	atcttggtag	tacattttct	cccttaggaa	tatacatagt	300
ckwtgtttac	atgagttcaa	atacttttgg	gatgttacct	tcacatgtcc	tattactgat	360
gtgtgcaacc	ttttatgtgt	tgatgactca	ctcataaagg	tttttgtcta	ctgtcatttg	420
ttctttccac	ttattctaag	ca				442

<210> 31635
 <211> 148
 <212> DNA
 <213> Homo sapiens

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 tttggtggaa ctggctgtcc acagcctcca aagatgtctt gatgctacga agagtggaat 120
 ttgctcagat ttccaaaaaa aaaaagtt 148

<210> 31636
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 31636
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 atcaagtaac cagaatgcac ctataaatta tggagcattg tagattttac cacatcaatt 120
 catagcagta actttaagag ggcattgtgc aatagttagt tgttttcttg ttcagctatt 180
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 gaatttcaat accttaattc agtgcacact 450

<210> 31637
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 31637
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 caggctgcag cctcaggcac tggcaggggc tggcgcgccc ccactcccct cccccgtccc 120
 catttgtgcc catccgt 137

<210> 31638
 <211> 488
 <212> DNA
 <213> Homo sapiens

<400> 31638
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 ctggccaatg tacatcttac atgtattgat tgatatttca tgtctcccta aaatgtataa 180
 aaccaagctg tgccccaacc acctaggga catgtgtcag gacctcctaa gtctgtgtca 240
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 atgaaagtac aattatgtat caatttaaac attttttaaa acacttctaa tgtgtagatt 420
 aacttcttca tttatatatt dntatgaact tcagcaaaat agcaaaaagta accatcttga 480
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<210> 31639
 <211> 322

<212> DNA

<213> Homo sapiens

<400> 31639

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agaccagaga awcacattga ggcagatata atatacatat ccattttctc tcttactcta	180
taatgctgcc tgatgtagtt tgaaagtatc ctcataatct aaaagagggg aagtagcctc	240
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<210> 31640

<211> 211

<212> DNA

<213> Homo sapiens

<400> 31640

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agcattgcat taaatatgga atatcttctt acggaatata ttcttcctta aattttaaca	120
atgtggctaa gtttagttga tgagcctcaa atattaataa tctataatca ttcattcttct	180
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<210> 31641

<211> 113

<212> DNA

<213> Homo sapiens

<400> 31641

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<210> 31642

<211> 277

<212> DNA

<213> Homo sapiens

<400> 31642

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ttctacttgg tgattgaatc atgacagtcc tcattccaat ctctctttaa ttctctctgg	180
ccctgcccac actctgtatt tgaaaatctt gtttttgctc tttccggagc ttcaccctc	240
tacttacata ttgtaaagtt gtataaatct atcattt	277

<210> 31643

<211> 67

<212> DNA

<213> Homo sapiens

<400> 31643

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aagggtt	67

<210> 31644

<211> 103

<212> DNA
<213> Homo sapiens

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tacctcaagg ctaaagagtt tccattgtgc aaaaacctgg tcc 103

<210> 31645
<211> 333
<212> DNA
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<400> 31645
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tctgattctt gccattctcc acacaccgca cat 333

<210> 31646
<211> 108
<212> DNA
<213> Homo sapiens

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tgatgatatt gttgggtttg ttgtaagtcc ttgtctctta gaaatcca 108

<210> 31647
<211> 250
<212> DNA
<213> Homo sapiens

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aatgtaaaa tctgatcatg tctctccca tatttttatt cttaaacaag tttgtgggaa 180
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<210> 31648
<211> 444
<212> DNA
<213> Homo sapiens

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tgtgcctgtg tgggtggggtc tggc

444

<210> 31649

<211> 476

<212> DNA

<213> Homo sapiens

<400> 31649

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aggttaccct	ttccaaaatg	gcgggaaggg	ctaaaaacaa	gaaagctcgc	acccagacgg	180
cgggccttaa	accaaggcga	atccgtgacg	caacacatct	gcttctgtgg	ctcctgatgg	240
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tgctatggag	atgctgccta	tatgttgatg	ttgcagacgt	taagtcacta	gcccacagcc	360
ttgtattcca	tactcagaga	mcctgctact	tacttgacat	ctcaacttga	aagtccaatt	420
aatatgcact	tcaaacttta	ataggcttca	aacagaattt	ctttcattat	ctctgc	476

<210> 31650

<211> 324

<212> DNA

<213> Homo sapiens

<400> 31650

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gsctkgtaat	cccagcactt	tgggaggcca	aggcggtgg	accacctgag	gtcaggagtt	180
tgagaccagc	ctggccaaca	cggtaaactc	cgactctact	aaaagtacaa	aaattagcca	240
ggcatggtgg	cagatacctg	taatcttagc	tattcaggca	gctgaggcag	gagaatatct	300
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<210> 31651

<211> 387

<212> DNA

<213> Homo sapiens

<400> 31651

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ktaaccagca	tttgataaat	gtatgaaata	gcagtttccc	taccccaacc	aaccttccat	180
ctaaatgggt	aaatactttt	aagatgagaa	tttcatttac	acctttcaaa	attattacta	240
aaaattttatt	agtatatgaa	ggaaaaaaat	taatcgtttt	acctttaatt	naactttgtt	300
aggaagtaaa	aattacccat	adnrgataat	tcttggccag	gaatggtggc	ttatccctgt	360
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<210> 31652

<211> 353

<212> DNA

<213> Homo sapiens

<400> 31652

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aaagtkgctw	aatgkgcaat	atcttatgta	atcttccata	cgacctgtt	agctccattt	180
gcagttaaga	aactaagttg	agaracttaa	agtaatttga	ccaagctatt	actcagctat	240

004220 6667560

cctgcaccaa atacatacat ttgtctggct ctgaagccta cactattacc ctttaagcag 300
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<210> 31653
<211> 366
<212> DNA
<213> Homo sapiens

<400> 31653
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gtgtaatamc ccargaagta aagatggaaa cgttaaaaga agagaaatgt agtatttttg 180
gttacctgat tagagtgaag atttttacaa tcatattatt ccttgtgtct tctgaatggg 240
ttccgatttt ataatggact gccctatata gtaacaagta tttcatgctt gagctatttc 300
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acacct 366

<210> 31654
<211> 262
<212> DNA
<213> Homo sapiens

<400> 31654
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ggttctttctc atgaaggag ttgaatttta tcaaagtctt tttcagcatc aattgagatg 180
atcatatggg ttttgtcctc attctgttga tatgatgtat cacattgatt tatttccata 240
tgttaaacta tcttgcacc cc 262

<210> 31655
<211> 216
<212> DNA
<213> Homo sapiens

<400> 31655
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tgtaatacaa agcttcccc aagaggctta atcaaaatat tagctgtata cacaaagatg 180
gattttttag acccaagttc ttaattctgc tgtgct 216

<210> 31656
<211> 210
<212> DNA
<213> Homo sapiens

<400> 31656
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gtgtkggrat tatcagcaga ttagactttg tacaagaaaa gattcatgaa cctgccaaaca 180
cagcaataga aactattcaa aataaaaagag 210

<210> 31657
<211> 226
<212> DNA

<213> Homo sapiens

<400> 31657

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aaaaaaaaagc	atttagttca	gttgacagag	ctggaagtga	tgctatatcc	cgctctatcca	180
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<210> 31658

<211> 228

<212> DNA

<213> Homo sapiens

<400> 31658

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gaaaaagtga	gctactacaa	ggamctggtg	gagactgaat	tactagggaa	gaaaattggg	180
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<210> 31659

<211> 147

<212> DNA

<213> Homo sapiens

<400> 31659

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<210> 31660

<211> 72

<212> DNA

<213> Homo sapiens

<400> 31660

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<210> 31661

<211> 357

<212> DNA

<213> Homo sapiens

<400> 31661

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cagaaaatac	atggcttcct	gcgggctgca	gcctaatagcc	cacgttcctc	tcggggcaga	180
ccgaagtatt	tcaaccaggg	caaaggacag	ccttgcaaac	caactacgtc	ctccttctgg	240
agtttggtg	acccttgcc	cctgagccca	caccctctcg	gagcgggggtt	ccaactccgt	300
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<210> 31662

<211> 118

<212> DNA

<213> Homo sapiens

<400> 31662

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ggggaggggt cattggaatg atgcggggcg tacttggcat tgtccattgt gaggcacc 118

<210> 31663

<211> 134

<212> DNA

<213> Homo sapiens

<400> 31663

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gctgaggcgg atggaacacg aggtcaggag ttcaagacca gcctggccaa gatggtgaaa 120
ccccatctct acta 134

<210> 31664

<211> 324

<212> DNA

<213> Homo sapiens

<400> 31664

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cacagatgga atgcatagt taacaagctt ttgtgtatct gcaaaagctt ctgcagttac 180
caccacatgn ccagtcttga caacatgcac ctctacgcaa attattctaa atacctgaat 240
taattaattt aatcctcaaa acaatctacg aagcaggcac tataataagc cccgttttac 300
agaaggagaa atgagacac aaca 324

<210> 31665

<211> 112

<212> DNA

<213> Homo sapiens

<400> 31665

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<210> 31666

<211> 437

<212> DNA

<213> Homo sapiens

<400> 31666

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tagggtagat tttttaaaag acttcctac atacttttaw ttctckttak taatatagta 180
gatagcaaga atagaaatgt gggtttatga attgacatgt tcttaatcat ataaaaatca 240
aattccttgc ccaaatac tctattagaa gggacatttt gaggaataaa gttttaatat 300
atgaaaactt atgaacannn tacaataatt actaatattc atttacttgg atcactgraa 360
atacctctaa agtacaatat agagagattt taatttaaat aatattccag aaaagcttac 420
tttagattat ttkaatt 437

<210> 31667

<211> 244
 <212> DNA
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<400> 31667
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 accaggaagt agctcagggg agcctgacct cgacccgcct ttctcctcac acgagctgag 120
 gaggcagggg agtaccgagg gcagtcaagc ctcccctggg gttgggttct gggactagat 180
 ggagctcagt ctctggattc tccctctttc tcggccctat gcttcctgac agacctgccc 240
 gcca 244

<210> 31668
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 31668
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 cctctgttct ccctgctaac tctattatta taaascacca gggggataga aaattgacga 180
 gaattgaaat gctcagcagg attccttggc ccattcaatt ctttgctggc tcaaaacagt 240
 gctagcaaga attgctgtgg agagtgacta gcagtcatac actcacacca tgctgaattt 300
 ctactgatg gtcagttaat ctatatgtt ggaatatagt tctggaatgg atgatag 357

<210> 31669
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 31669
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 tagcaagaag cgtaatggac ttggggcatt gagtatgaca gcctggcaga tgrnggattc 180
 acttgagggt catggtcatg aatttaaggt gagagaccag tcagcatgnt tgcattgttt 240
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<210> 31670
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 31670
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 acaaaaaatgg gataaaggcc aggcattggtg gctcacgcct gtaacccaat gctttgggag 180
 gctgaggcgg gcggatagtg aggtcaggag attgagacca tcgtgggcaa catggtgaaa 240
 ctggtttcta ctgaaaatag aaaaattagc tgggcgtggt ggtgcatgcc tgtagtccca 300
 gctactcagg aggcctgaggc aggagaattg cttgaacctg ggaggc 346

<210> 31671
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 31671
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cgtggactcg mtcactcac acaacatacg a 91

<210> 31672
<211> 98
<212> DNA
<213> Homo sapiens

<400> 31672
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tcacgagatg ctggactgga gattggcaag tgcaccaa 98

<210> 31673
<211> 383
<212> DNA
<213> Homo sapiens

<400> 31673
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tgatagtttt ttgtatccta gaaatttcct aatcataaac gaattgaatt atatgtattg 180
cattgtaact tgctcttttc actttattat agtaccttat attttacaat atcagcatat 240
tttaaagcag catatacatt gtatttataa atctaatac ccccatggct tttagaaatg 300
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ggaaaagtgg tattatataa tta 383

<210> 31674
<211> 429
<212> DNA
<213> Homo sapiens

<400> 31674
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tgtgtttttt tttctgtgta tatctgtgtg agaattacca ccttgatcac attgttttaa 180
acatttttgt ttacttgtct ttgatccttg aaggcagaga tgatctttat aggccttatt 240
gatctctata tcctcaacat ttaacacacc aaatagcata taatgggtaa ttgggtgaatg 300
cttgggtgaat gcttagtgaa tgaatgcagg gagaaatgtc taataggaaa taggracacd 360
ttactcttta ggrccagtca aagctggtga taaaagagtt gaaacctgag ctgctagagt 420
atagaaaaa 429

<210> 31675
<211> 245
<212> DNA
<213> Homo sapiens

<400> 31675
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tgaattatgt ggtgctttta tttttaatga tttgaggaac ttctgtactg tttttcatag 180
tgactgtact aattgacatt cccaccagtg gtgtacaagg gccccctttt ctctacaccc 240
tcccc 245

<210> 31676
 <211> 242
 <212> DNA
 <213> Homo sapiens

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 caaaataatg tcaccctaaa attttctatc tagcaaaact aagcttcata aatgaaagga 180
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 ca 242

<210> 31677
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 31677
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<210> 31678
 <211> 468
 <212> DNA
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 ggggggttct cggatttggg cttctgggtt tgggggctgt gagagggctg gtccgaggaa 240
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<210> 31679
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 <212> DNA
 <213> Homo sapiens

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<210> 31680
 <211> 109

<212> DNA
<213> Homo sapiens

<400> 31680
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<210> 31681
<211> 266
<212> DNA
<213> Homo sapiens

<400> 31681
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accattttata cttacyaata wtaacktgrr atatttaggt ttgttttcaa tttatcccat 180
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<210> 31682
<211> 477
<212> DNA
<213> Homo sapiens

<400> 31682
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mtgggaaatc caagaggcct gttttcacct gcacagcatt tctacctgcc catgaaaggc 420
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<210> 31683
<211> 462
<212> DNA
<213> Homo sapiens

<400> 31683
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<210> 31684
<211> 368
<212> DNA
<213> Homo sapiens

<400> 31684

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aatctgrarc	tgramctgna	argaracccg	agacatgaaa	aaaagaratt	caaaagatct	180
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agaggatgat	tgaaagaaac	acaattagaa	atgacaaagg	gaatgttacc	actgacccca	300
cagaaatagr	aacagccatc	agaaactact	gcaaacactt	ctatgcatac	aaactagraa	360
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<210> 31685

<211> 291

<212> DNA

<213> Homo sapiens

<400> 31685

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accccawgsa	cawtamccat	kgggyctcaa	caaactcttt	ktkttgtk	tggtttkgtt	180
ttgagaagga	gtcttactct	gtcgynaggc	tgagtgcaa	tgacatgatc	ttggctcatt	240
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<210> 31686

<211> 167

<212> DNA

<213> Homo sapiens

<400> 31686

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<210> 31687

<211> 122

<212> DNA

<213> Homo sapiens

<400> 31687

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<210> 31688

<211> 421

<212> DNA

<213> Homo sapiens

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tgvcctatgkt	gccaatcykg	atgggctgct	tgsvacaatg	agggatcttc	ttcaatacat	180
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ttggatggtg	aatgctgatg	actctctgga	ggtgagcaca	aaatgccgag	gcctctggtg	300
ggaatgcgtc	acwnatgckt	ttgatgggat	tcgcacctgt	gatgagtacg	attccatact	360
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t 421

<210> 31689
<211> 235
<212> DNA
<213> Homo sapiens

<400> 31689
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tagtgccaat taaaaagccg taacggaaat agggcaaaaa aattttttta atgaatgttc 180
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<210> 31690
<211> 180
<212> DNA
<213> Homo sapiens

<400> 31690
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taaacgggtca gtgtccagtt gaaggcagaa cactaatcag atttcaaggc ccacaacttg 120
gggactagrm caacyttaak gttrraggga actctgrcca cctgcgtgca acccacaggc 180

<210> 31691
<211> 75
<212> DNA
<213> Homo sapiens

<400> 31691
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tgcttctcgc gctgt 75

<210> 31692
<211> 413
<212> DNA
<213> Homo sapiens

<400> 31692
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gattgggacg rattcgaagt gagcaaaggg attcacaat tatgtattta tttgttttca 180
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ttttgtgaat ggatgatcac aaagaaaaag cattttttaa aagttggcaa acgctgaaac 300
gcactgtggg atgaagcgca ttgcatttcc atagcactga agtaccagtt tccattcctg 360
ggctgagatt gtttttcccg tggttgatt gttctgattt cacgtacacc aga 413

<210> 31693
<211> 305
<212> DNA
<213> Homo sapiens

<400> 31693
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ctgtgccagg gcacacgtgg tagctagacc agtttctatt agccctaaaa gtcagcrtam 120

tccaaawacy	ttggaatctg	tactagtgcc	agataaacag	ggagacaatg	gagccttccc	180
ttctggatag	gatgatccaa	atgtgttttc	acattcacag	acagctctta	atgtatctgg	240
tgataaatgc	aaagccaata	caggcaaatg	cttgaatacc	tcatgatatg	ctattctcaa	300
ctctg						305

<210> 31694

<211> 326

<212> DNA

<213> Homo sapiens

<400> 31694

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tacaaagcac	ttttctgaat	aggatcctat	tccacgttca	aacagccctg	tcaagcawkg	120
csggccccat	ttttacagat	gaggtcttag	ctctgagtc	cattcattct	cagaacagga	180
gctttcttat	tccacaaccc	gagctcctgc	cactgactcc	tcaggctctg	tttctgcacc	240
agaaactccc	agctcaacga	aaaagggtgt	agcctcttcc	tgtagggctc	ttaatattat	300
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<210> 31695

<211> 214

<212> DNA

<213> Homo sapiens

<400> 31695

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taatwagatt	tagcaaattt	cttcttttga	tccattttca	atgttggtact	atggcctctt	180
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<210> 31696

<211> 253

<212> DNA

<213> Homo sapiens

<400> 31696

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actgttagac	tattatgtgc	atgttgccaa	gactcttaag	taacttggat	atcaactgtg	120
raaggscta	cctctaaaaa	agtaacaggt	catacrrata	caaatgtaac	tgtaaaaaatt	180
ccactggatt	cttgcatatt	tgcaagatta	gattattcaa	aagaaatttc	agtgtctaaaa	240
ttaaccagca	acg					253

<210> 31697

<211> 268

<212> DNA

<213> Homo sapiens

<400> 31697

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acargtaatt	ggtwataatg	agtgtcagct	catttgtgtg	gactccaccc	ttccccaggc	180
ttccttggtc	ctttctttct	gacacaagag	atgagagcta	gacctgttgg	aaactttttac	240
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<210> 31698

<211> 407
 <212> DNA
 <213> Homo sapiens

<400> 31698
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 yttkggraag ccaagggcgg ggtggaacac ttgagcttag aagtttgagg ccagttttga 180
 caacatggca aaacctcctg tctacaaaaa aaagaaatca taacaaaaat tagccgggca 240
 tgggtgatacg tgcctttggg ctcagctact caggaggctt gaggtgggag gatcacttga 300
 gcctaggagg ttgaggctgt agtgagctga gatcacacca ctgccctcca tcttgggcga 360
 cagagcgaga ccctgtctca acaaaaacct aaacaaaaca gaggatg 407

<210> 31699
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 31699
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 taacctggca tggagcagggt gtgtcttttg gtttcttatg cagttgactc tgctgcaggg 180
 agattcg 187

<210> 31700
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 31700
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 cccagctaatt ttttgtatTT ttagtagaga tgggggttttg ccatgttggc caggctggtc 120
 tcgaacctct tggcctcaag tgatctgcct gcctcggcct cttaaagtgc tgggattaca 180
 ggcgtgcgcc accttgccta gccagaatgv nttgaaatTT taagtggggt 230

<210> 31701
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 31701
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 attactttga ttcctacccc gcaaaacatc agctactgtg ttcctcaaac ttgtttacaa 120
 aawbcaacta taaatattac ataatgcctt ttagttaaag aaaattaaaa caacggaagg 180
 aggaaatTTT ctgcagggac tttcttgtaa ccccttgga gaaaacattc tctcttcct 240
 ttctgtcttg ctcatggcca ga 262

<210> 31702
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 31702
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 aagktkgaac tctgatagga gtatttttta aaaataattt agttcctttg tacttgtttt 180
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<210> 31703
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 31703
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 agtgagctgg tgtgatctcg gctcactgca accaccacct cccagggtca agcaattctt 180
 ctgcctcct 189

<210> 31704
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 31704
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 ctcagktckg attcaaggat tagtcagcct tagcatactt taagtacttc attattatta 180
 ttactactgc tagtactgcc caaaggccag aatccgtgga gccttaaaga cgcgaactca 240
 aactgttttt gggttaaata tctttgtctc agtcatggga gtgggtgtaca aatactccaa 300
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<210> 31705
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 31705
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 atatttataa accatgttcc agcatactag ataatagtag catactatat ttatttccat 180
 aatttgtctt ctttagagcc tatgaactcc taggagcaga agctatattc ttttcatttt 240
 gtcactctcag ggtcatggca tataccaaca gatc 274

<210> 31706
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 31706
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 aagagttttg attctgacaa gcccatggaa ccagtataaa gatctcctct tcgccaggga 120
 acaaacatgg ccaacttttc ttaccgttcc tccatataca acttgaatgg taagatgtaa 180
 ttggaaataa aatgtaaaat agtatgctaa gtcacacaat gtaggagcag tacaactgca 240
 attcccaata taaaaactcg atataaaagc tacatgcata acttgaccaa gttcttaaat 300
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<210> 31707

<211> 177
 <212> DNA
 <213> Homo sapiens

<400> 31707
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 aagactaaaa gtcactctata cttcagggtcg tagaataacc actctgaaca gcaccgt 177

<210> 31708
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 31708
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 gggcgagggtg gctcacacct gtaatcccaa cactttggag gccgatgcag gtggatcacc 180
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 tacaaaaatt agctggcatg gtggcggtg cvtgtagtcg tagctacttg ggaggctgag 300
 gcaggagaat gacttgaacc caggaggtgg aggttgacgt garncaagat tgcgctgctg 360
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 g 421

<210> 31709
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 31709
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 gttgactaga aactcatcta aataagggtt acttctaate ttggtgttta aatagctttg 180
 ggggaaaatg tgcttaacta adtgtttttt tcttaaagta aggcagtga 229

<210> 31710
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 31710
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 taggcaaaac ttagtagtag tgaaatctgt tgcttgaccc atcatctggg tgtctaaatg 120
 gktttttggg atctctgacc tagcgt 146

<210> 31711
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 31711
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 gtttggtttt ctggattttt gtccagagtc gctaattgat cccccacaat ggcagttgat 120
 gacagcaatt tatattccag aacgaagaac aaactaaatt catctcaaaa tgattataaa 180

tcatcaagaa ggagtagcct gccacctgaa ctactcatag gaaatgacat tagaggaaga 240
cttcaaagaa ac 252

<210> 31712
<211> 239
<212> DNA
<213> Homo sapiens

<400> 31712
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gagagccgtc caatagaaac ataaggacat ctgagtttg atgttacctt tttattggaa 120
atatgggata tgcacttaga tttcactgaa tttacattga aaagagacaa agtctcacta 180
tggtgtcag gctggtcttg aactcctggc ctcaagcgat cctccacact cagcctctc 239

<210> 31713
<211> 248
<212> DNA
<213> Homo sapiens

<400> 31713
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ttacaaaatt agccaggtgt ggtggcacgt gcctgtaatc tcagcctccc aggtagctgg 120
tattacaagt gcatgccacc acaccagct aatttttgta ttttggtaga gacagagttt 180
ccctatgttg gccaggctgg tgacgaactc ctgacctcaa gtgatctacc tgcttcagcc 240
tccccact 248

<210> 31714
<211> 462
<212> DNA
<213> Homo sapiens

<400> 31714
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tcagactata acacatggaa aagataattg catttttctt tttttattat taaaaagaat 120
cttttgtatt actcaattcc tagaaagaat caggaaagta dwagtctaaa aagcagtgg 180
ttgaagaaaa acaggaagcc tgcaacagaa cgttttgtat aggtgaatga agattattag 240
ttaagctgag gatgcctgct ttttctgccc tagtagtcac aggcagagtg gacatgcctc 300
tgcataatcc tattttttta aaaaatattt twkattatac tttaacttcg gggatacatg 360
tgcagaacgt gcaggtttgt tacgtaggta tacacatgcc atagtggttt gytgcaccca 420
acaacccatc atctacatta ggtatttctc ctaatgctat cc 462

<210> 31715
<211> 443
<212> DNA
<213> Homo sapiens

<400> 31715
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gtaagaataa gccagaccta ctgatagcta cctgctaatt tatggaaatt aacatgttcc 180
aaataaacct gtctgttcta ttttgctgct gtacctacat ttgaacactt aaagtcattc 240
taaattggagc cgtgcctttc tcagtagtca gtgacagatt cacacatgtg tgggaacccc 300
gatcctgtgg taaataagag agccccttct aaaatctaaa atctctctgt acagacactt 360
tctagtttat aggttgtgat ataaaatttc atgtttcatt tatttggaac tctacatctt 420

ccaatagaaa tgatattata aat

443

<210> 31716

<211> 231

<212> DNA

<213> Homo sapiens

<400> 31716

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cagcctgggg	agccgtttgg	gggcagcccc	ttctgcccac	cccctccttc	ttcctctcca	120
gagatgcccc	ggggggcggtg	tatgctctgc	cccttcacctc	agacaggggc	tgggtgggga	180
ggctcttttag	gctcaggaga	agcattttta	agaaaccccc	accctgcgcc	c	231

<210> 31717

<211> 419

<212> DNA

<213> Homo sapiens

<400> 31717

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acaggtggaa	ctaaagaaga	ctcgaggtct	ctctgacctc	ctcctcaacc	tctgtttctt	120
aatcctctgt	tttcccagag	cacaggagga	agttctctga	agttccttta	tctgctttaa	180
gttcagactc	accaaataag	aaaacagtta	attctgggtgc	cttccatggg	ttttcattaa	240
ctgaagtcac	attgtaggaa	aaagaatgaa	gtctcttaac	ccacctggat	agatttttct	300
cacaaacct	tgtcttctct	gcaagcccag	tagactttgt	cccaggccat	ttatgtgatc	360
ttcaccccat	taagttctcc	ccaaattatt	tactcttccc	ccaaaatcac	ccacactca	419

<210> 31718

<211> 264

<212> DNA

<213> Homo sapiens

<400> 31718

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aatacctatt	tattggattt	ttataataaa	aaaacttttt	tttaatagac	acggggctct	120
gctatgtkac	ctaggtctgt	cttgaactcc	taggttcaag	tgatcctccc	accttggcct	180
cccaaaatgc	cgatattact	ggcgtgagcc	cctgcactca	gccttattta	ttgtatcttt	240
atcacatagt	tttgtagaga	ccca				264

<210> 31719

<211> 359

<212> DNA

<213> Homo sapiens

<400> 31719

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ctctgtgtca	gtaaattccac	agttgtaata	attttcactg	tagagacatt	gcaatgaaga	120
caattaatag	ataaattcag	ttaatcatga	gtaccaaaaa	tttgctcvtga	aagttttcca	180
taactgggtca	ttaattatga	aatattttct	aattcaatta	aatataaaaa	gaatntgtaa	240
ttttaaatta	taataattta	catatacggt	aaaatcattt	tccaagttct	tttttctatt	300
atacctcatt	ttaccctgat	gaaactcctg	atttagatta	gttcaatatc	actgtcccc	359

<210> 31720

<211> 459

<212> DNA

<213> Homo sapiens

<400> 31720

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tcattattaa	ggctcttattt	aatttcagag	tgtaaatttt	ttcaagtgtc	cattagggtt	120
tataaacaag	aagctacatt	tttgccctta	agatactact	tacagtgtta	tgacttgtat	180
acacatatat	tggtatcaaa	ggggataaaa	gccaatgtgt	ctgttacatt	tcctttcacg	240
tatttctttt	agcagcactt	ctgctactaa	agttaatgtg	tttactctct	ttccttccca	300
cattctcaat	taaaaggtga	gctaagcctc	ctcggtgttt	ctgattaaca	gtaaatccta	360
aattcaaact	gttaaagtac	atTTTTtattt	ttatgtctct	ccttaactat	gagacacatc	420
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<210> 31721

<211> 294

<212> DNA

<213> Homo sapiens

<400> 31721

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aaaaaaagct	aaacgtggag	cagccgatcg	gggaccgaga	aggggaatcg	atgcaaggag	120
cacaataaaa	caaaagctac	ttcggaacaa	acagcattta	aaaatccacg	actcaagata	180
actgaaacct	aaaataaaac	ctgctcatgc	accatggttt	ttcaaactcg	gtacccttca	240
tggattattt	tatgctacat	ctggctgctc	cgctttgcac	acacagggga	gatt	294

<210> 31722

<211> 128

<212> DNA

<213> Homo sapiens

<400> 31722

gaccagtcag	tcgcctttga	ttatcagttg	ccagsagccc	ttctcttggc	tccttgacac	60
gagctccata	taaggcagcg	atctccatag	aaacgtgtca	gtttcaatag	tagtgtcaaa	120
gtkacta						128

<210> 31723

<211> 354

<212> DNA

<213> Homo sapiens

<400> 31723

ccacatccac	aaaaagactc	ctgcaagtat	tttcgtaaca	gctttattcc	taataactcc	60
aaactggaaa	caaccccaaa	tgccatttaa	caggtaaattg	aataaacaat	gtggggtgct	120
gccacacaat	ggaatamtcc	tcagmaattd	gaamckgcct	gdwacatgca	rcaaatggg	180
gtcagcacia	agttacgatg	ctggtcaaag	gaatcgagtc	ataaaaagaaa	catactgtgt	240
gactccatgt	gtacaccttt	ctagaacagg	aaaacctgtt	ttatgatgaa	agaaatctar	300
ccagtgggtg	actctgggtt	aaggtaacgt	ggggcaggaa	ttgactggct	akrg	354

<210> 31724

<211> 326

<212> DNA

<213> Homo sapiens

<400> 31724

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tgtctgttgc	tagatcttga	cgtccccaag	gcagcagtca	ggaaggggaag	accacgagca	120
ggctggaamc	ccsaagagca	tgatggacta	gaaccctaca	ggatggactg	aaacctgggt	180
ccattcttgt	tacctctgac	cttgggtgaca	agggaacctg	gcagaagctg	ggggccttca	240
tctaacacac	gctcatgtga	cccagctgct	gcttcacacc	agtgaggcaa	gtcagcagat	300
cagcactctg	tgtgctacac	agcagt				326

<210> 31725

<211> 412

<212> DNA

<213> Homo sapiens

<400> 31725

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agaggtacca	amcacaaatc	acagatgtan	wttaaaatth	ctagtagcca	cattaaagaa	180
gtaaaaagaa	actggtgaaa	ttaattttta	caatataatt	tattaaccta	atattttcaa	240
atgatcattt	ctgtatgtaa	tttttacttt	ttttttgata	ttttactttt	ttggcattaa	300
gtattttgct	aagaaaatct	ttatttctcc	tttgctcttg	aaggataatt	ttgcagggta	360
cagaaatcta	ggttgggccag	ttttttctct	taacactgta	aatattttgt	tt	412

<210> 31726

<211> 292

<212> DNA

<213> Homo sapiens

<400> 31726

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tgattgatta	tatcatcaag	tatttatatc	ttaaataagga	ggtaggattt	ctgtgttaag	120
actcytaatt	tgwaccctat	aattanagta	aaatgttttt	tafgagtatc	ccttgttttc	180
ccttcttaaa	ttgttatcaa	acaattttta	taatgaaatc	tatcttggaa	aattagaaag	240
aaaaatggca	aggtatttat	tgttctgttt	gccataattt	agaactcaca	ct	292

<210> 31727

<211> 51

<212> DNA

<213> Homo sapiens

<400> 31727

avtgacgaac	tgggtggagc	ccgccgccgc	tcacaattcc	acacaacata	c	51
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<210> 31728

<211> 125

<212> DNA

<213> Homo sapiens

<400> 31728

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gatactatth	tcattttaatt	ctcctgtgga	gaatattgct	ttatttttta	ctagtttcag	120
gtcag						125

<210> 31729

<211> 347

<212> DNA

<213> Homo sapiens

<400> 31729

attggacaca	gttcataccc	ccagaggaat	ctggtaaaga	agacaaacag	ggccaggcgc	60
ggtggctcac	ttctttaatc	ccagcacttt	gggaggacga	gactgggtctt	gaactcctga	120
gctcatgrwc	cttcccgcct	tggcctccca	aagtgtctggg	attacaggca	tgagccacca	180
cgcccagcca	gcttttaggt	ttttaaggta	tagaatcata	tcattccatga	agacagatag	240
tttcacttct	tctttgccta	tttggatgcc	ttttatttct	ttctcttgcc	tgattgctct	300
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<210> 31730

<211> 460

<212> DNA

<213> Homo sapiens

<400> 31730

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caaagamctt	ttgtwgagat	ggcctgcgca	gatacaaaca	aaaccacgaa	aagggaacctc	180
aaagaatggg	agacagcggt	cacgaagcag	gggtggggga	ggggccctat	tctagttctc	240
ttcctcaatt	tgagtcatct	tcccatcgcc	actaaacctt	acggccagtg	atcagttctt	300
cgcaagaccc	aaagctctga	agctgagtct	gagtgcagag	aggagacggg	aagaaaacgg	360
ggacagagag	ggcactccct	gttgggtggg	gcascacatt	cccgccgggc	tcamccagsc	420
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<210> 31731

<211> 309

<212> DNA

<213> Homo sapiens

<400> 31731

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tctgagggcy	ttttkggagc	ycgctatgct	taacctggag	atgattaagg	ccccgcttcc	180
tggcctccca	gcctctaatt	ccaaaagata	agggagaggc	tggcgtgtga	ccccgttttg	240
agtcaggtgg	acagaggggt	ggccascctt	ggaaccatgg	gtgcaatacg	gagtcagacc	300
tcaatacaa						309

<210> 31732

<211> 193

<212> DNA

<213> Homo sapiens

<400> 31732

aaaagtcaag	atggacgcgt	ccatttgaac	gtctcgcacg	ccttctctgcc	attagcactc	60
gagcccgtg	ctgttgcccc	ttcttctctc	agaatagggg	agggagaggg	aatgagaagc	120
tgctgcggs	cmagargtca	ctgtgawgga	ccccgccgct	gccctcgggc	ctcctcggcc	180
cctgcgcct	ccc					193

<210> 31733

<211> 213

<212> DNA

<213> Homo sapiens

<400> 31733

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aagrtwtacr	ggattaakgt	ttwaawatac	acagtgagat	gattactaca	gtcaaacaaa	180
aaaacatatc	cattgccttc	cttagttacc	cat			213

<210> 31734

<211> 117

<212> DNA

<213> Homo sapiens

<400> 31734

aanhaaagta	gtgaaacttc	ttgtacgtct	cagtgactca	gttgggtact	tattctggga	60
cagtgaact	acgggttacg	ccacctgctt	tgtttttaaa	ggattgttca	ttttaac	117

<210> 31735

<211> 56

<212> DNA

<213> Homo sapiens

<400> 31735

artctggcgt	catctaggtc	gctgctcagg	gaaatgcgga	gccagtaggc	ttacgt	56
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<210> 31736

<211> 201

<212> DNA

<213> Homo sapiens

<400> 31736

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aagggtggct	caacatacaa	atatcaatca	atgtaataa	ccacattaag	agaatgaaag	120
gaaaaaaaa	mccagtcac	ttaattgggtg	tgcaaaagca	tttggtgaaa	taagcagcct	180
ttcttgaaaa	agcaaagcgg	a				201

<210> 31737

<211> 270

<212> DNA

<213> Homo sapiens

<400> 31737

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cagtgaagga	gagactgtcc	tctaagcaaa	gcagctaaag	ctccaggggc	aaagggcaga	120
gcgaataagc	aggggcctgg	gtcatcyaat	ttgggtccck	ggcctraaag	cattkgactg	180
ctcatctcac	atcccttctt	tgccctcagt	cgttagatat	taggtctact	gtggttgaat	240
gagactgtct	acaaaagggt	tccagtgcc				270

<210> 31738

<211> 398

<212> DNA

<213> Homo sapiens

<400> 31738

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tccaagggtta	tcattatatt	gcaaactcaa	gttttatitt	gacctttctg	gatgctcacc	120

aactttgttt	aatcttccta	aatttagawt	aaggagsccm	attyckgatc	ttggmcttgg	180
catcagtata	ttttgtaagg	caggatgaac	acccttacta	tgtaacaggg	gttttcagaa	240
gaaactgcag	tgtgaatgtt	attattttaav	tttttgctgt	gaggtaactc	acctgcaggc	300
aggctcagag	agcttgtgtg	atgctacaca	tttatggttg	atgggagtga	gatgtgaaac	360
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<210> 31739

<211> 254

<212> DNA

<213> Homo sapiens

<400> 31739

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tacaaacatt	tatggagcac	ctgccgtgkt	gscmaaggrm	ctggaccaat	tactcagcat	180
acttgatgcc	tgatccgttc	ctcattcctg	cgasggttgg	tgtgattatc	tcagttttac	240
aaatcaggwg	acag					254

<210> 31740

<211> 417

<212> DNA

<213> Homo sapiens

<400> 31740

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aatattttatt	acctctgcag	atgrwtaatt	tttggaatt	aagtakgcac	ttgagaagaa	180
tgtctcttct	cattagatgc	agtatcctat	atgtkagttt	gtttgttcat	tatattgttt	240
gaatgtgtta	gatgtactta	atgattactt	tggttttatt	cattaccaat	aaagctatgt	300
caaaatggta	ggttttgtctt	cttgtagtta	tttcagcttt	tcaattacat	atacttaggg	360
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<210> 31741

<211> 409

<212> DNA

<213> Homo sapiens

<400> 31741

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ttttgatngc	ggatcgaaa	ggactggccc	cggagcctac	aacctgacgc	aggtgggact	180
tggggaaatg	tcgagaaaac	taggtctggg	acttgagttg	gcttccaggg	cacacattct	240
tgttcagaag	aaacacattg	caaaaatcgg	gaggtgacgg	gcagatgaag	tgtcggcgct	300
tcgcctcggg	actccagtgc	acctatgggg	cttttgga	tgrggaagtc	gatgactctg	360
cagggactcc	tctgaccag	gagcagatgg	cgctcgtctg	ggcactccc		409

<210> 31742

<211> 403

<212> DNA

<213> Homo sapiens

<400> 31742

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ccgagccgca	cgggcgctgc	tgttcaactgg	tggcgctgcc	tggcgcccg	ttacgcgcac	180
tcagagacct	tatgttagct	ccagtgaagtc	ctgctgtgtc	acatccctct	ttcctgtagg	240
agcacgagtg	tggctttttt	ttggattgtt	tttaacctct	gacattctga	ttcagattat	300
tgcatttctc	tctccastgt	ctctgatctt	cctggccaaa	tttctcaaga	aggcagacac	360
aagagacagc	agacaagcct	gcctgggtga	gcgctagcct	ttc		403

<210> 31743
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 31743						
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aaaagtccaa	caagaaacaa	gtagaaaagga	agttccccaa	tttgataaag	tacatctgtg	180
acaaactcac	ggctaacatc	atacttaatg	gaaagagact	aaatgctagc	ctgggcaaca	240
tggcaaaact	ctgtctctac	aaaaaaatac	aaaaattagt	cagacatggt	gatatgcact	300
gtagtcccag	ttatttgga	gaattgcttg	agcctgggag	gtggagggtg	cagtgaacca	360
aaattgtgcc	actgcacccc	agcctggcag	aca			393

<210> 31744
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 31744						
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gtttacaagt	tagaacaac	gtttctgatt	gtcagaacct	gcacataata	accactcaga	120
attcctgttt	gatagatttt	aaatgattaa	ctaaagcaac	tgatttaagc	aacataattc	180
actttttact	aggaaggtag	tcttaagaaa	gctgctagtt	tcttggcatc	atttcagatg	240
actaaattga	aattcatttg	ctgtaggaat	tttttattta	tttctctttt	tttttt	296

<210> 31745
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 31745						
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actctgtgca	tttccacatt	tccatcacca	gctctaagaa	ggtacacctg	cagtttggtg	120
tgaccccggt	tcagaacgga	cagaaccaag	tgaggctta	ctctatttgg	tagagactga	180
gtcccagcaa	gtagaagtgt	cttgccaagg	ggatgcaatt	atgaatagga	aatggaacta	240
aaaatagaac	ctaggtatga	ccccatgt				268

<210> 31746
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 31746						
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gcgatctcag	ctcgctgcaa	cctccacctc	ccgggttcaa	gcgattcttg	tgcc	114

<210> 31747

<211> 382
 <212> DNA
 <213> Homo sapiens

<400> 31747
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 aaaagacctg caacagagaa tctgaaattt ggataatctt accaagggtg tgaaatcagc 120
 ttcttagtgt taccgaaaag gaagaaagat ttccagacag agactaaata agtctcctaa 180
 tcaatgtgaa agaatatgtg ccttggggaa aaactggagt ggatattatg ttcattctctt 240
 tctcaaccct gtctttcaat aacacacgtc agtttttttt gatattttta aattttatttt 300
 tattttttatt tgtgtgtgtg tgtgtgtgtg tgtacctcta agttctaggg tacatgtgca 360
 caacatgcag gtttgatata ca 382

<210> 31748
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 31748
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 aactgagaga tgtgttgttt cttctggatg cttatatata atcttaaatt tatggtttaa 120
 agcaggggtg tccaagggag agaatacagt catgagttct tagtttctgt ttctgggttg 180
 gcccataaag ccccttcctc acccctcttt tccgcttat 219

<210> 31749
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 31749
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 gcctcattaa caacattttt gtgtcttaac aacctctctg attttgtaaa ctgacatgat 120
 tccttgttct gttatgaacg catgctgttc tagtscttct ataagcccat caca 174

<210> 31750
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 31750
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 atccatgtaa cactggcaat ctgtgtctat acctgtatct atagcaaaaag ccagaattta 180
 ccacaaattt tgctgttgta tcaggaaata catcttgaca actgatactt attcttaata 240
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 ttaggttagc atttttgttg atgtttggac atcttaaatt cattatactc atgc 354

<210> 31751
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 31751
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agggctttgc	cttgaaaccc	gggacgccag	gggcgctccc	gcaagtgagg	ggtcctccgg	120
gacttggaam	gccccggctg	ggtgggtgtcc	gggcgtcctt	tccccgcttc	ttcccacctc	180
ggctgggtccc	gtttcctcct	gcgcccagtg	cggacctgtc	tcggctggca	cgagaccagg	240
agaccctgca	ctcccatggg	gtgcggcaga	atggggacag	tgcvtacctc	tatctgctgt	300
cagcccgcaa	camctccctc	aaccctcagg	agctgcagcg	ggagcgnacg	ctgcggatgc	360
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<210> 31752

<211> 358

<212> DNA

<213> Homo sapiens

<400> 31752

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aaccagtcag	tcccaaagct	gtgacctctg	tgccactgtt	gtccatagaa	gagcatcgac	120
tgtgtcactt	aaaatattag	taaacctatga	tgacagcaact	gctaagagct	aaactaacia	180
aattgtgtca	tcatagctgc	tggcttggtg	tgaactcgct	taaaagcaat	ggtgaaagga	240
taacctcgat	gatgtaaatc	cacccaaaga	tactgttcta	caaaaagtag	ggtgtggacg	300
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<210> 31753

<211> 373

<212> DNA

<213> Homo sapiens

<400> 31753

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agcaactttt	acttatggtg	gaaaaccttg	gtaagtaagg	aattctaatt	atgtactagg	180
tatggagcct	aggacacaga	acagaagtgt	aggtaagggtc	tgactctttc	tagcatagct	240
agggggcatg	gctaacacca	catgtcccca	ggccttacct	agaatctgct	ccaaagttaa	300
acagttttca	aaagtcaaaag	aagcagttta	tgaccttaaa	gcatttagca	aacctaatat	360
ctaacctgcc	ttc					373

<210> 31754

<211> 309

<212> DNA

<213> Homo sapiens

<400> 31754

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ttaacctaat	aatattttta	aaactagaaa	aatttcaaat	atgtgaaaat	taagcagtct	180
gcttctaaat	aatccatagg	tcaaagaaga	aatcacaatg	aaaataagaa	aatattttta	240
actaaatcat	aatgaaagta	tgacataaaa	aatttttaaga	tgtagctaaa	actgtgtatt	300
gggggtaag						309

<210> 31755

<211> 95

<212> DNA

<213> Homo sapiens

<400> 31755

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004220-66ET560

ccataaagaa agaaaaagcc tgaacagacc aatag 95

<210> 31756

<211> 258

<212> DNA

<213> Homo sapiens

<400> 31756

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aagcagctcc tttgcagttt cctgaagcgt gtctgtggtg gcatacacca ctttaatttt	180
gtcccaaaatt cttcatcatc tctctgatca ctgccctata ggaaatgcat tatttgtaag	240
actcgtgtcc acagcaga	258

<210> 31757

<211> 292

<212> DNA

<213> Homo sapiens

<400> 31757

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attcaggctt tattttctggt atgaagttaa tattttttta aaaaatccta tattatcaca	180
ccagagattt tagattcttt tctggttaga aacattgctg gtagttggat tatattttta	240
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<210> 31758

<211> 52

<212> DNA

<213> Homo sapiens

<400> 31758

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<210> 31759

<211> 213

<212> DNA

<213> Homo sapiens

<400> 31759

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atggccttsa gaaacctcak gctccttggc cctggaagcc tggcttgtgt ggggaggact	180
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<210> 31760

<211> 311

<212> DNA

<213> Homo sapiens

<400> 31760

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agtgkttatc tccygygydaa aattaagaaa ggcaaggcag gttccctgct gtttcttttg	180

aaaatgatcc cataattata tagccaaatt caggaaaaag aacaaaaagc ctttcttttt 240
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 atcckgaatt a 311

<210> 31761
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 31761
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 ataaatctta attgatatat tttcctctca tgcattgtctc tga 103

<210> 31762
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 31762
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 ctcttttttt tttt 74

<210> 31763
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 31763
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 acgagattgc cagagaagga aattgaggcc caagaagctg catgacttag ccaagttcac 180
 aggag 185

<210> 31764
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 31764
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 accaggcccg gcctatttct ccttctttgt ctgccctttc caccttgccc tttctccctc 240
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<210> 31765
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 31765
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 ccttgaagga ttgttgaaag tcaaagtcac gaagcaagca aagcacctgc agagtaaaga 180

aatattagtt gccctc

197

<210> 31766

<211> 152

<212> DNA

<213> Homo sapiens

<400> 31766

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cctacattgg	ttatktttgt	kttgaaatcct	aa			152

<210> 31767

<211> 203

<212> DNA

<213> Homo sapiens

<400> 31767

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aaatagggtg	attagcagca	gcaaactcca	tggggttgta	gtagggatta	aatgagtga	180
taagttaaa	atgattagaa	gcc				203

<210> 31768

<211> 273

<212> DNA

<213> Homo sapiens

<400> 31768

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tctatctcya	atmmagagg	ratcttaatt	tctgactact	gagtacttcc	aatttataaa	180
agagctgact	tttaaaaaat	tctaactatc	ttcccaaact	gtttagaaat	atgccatatt	240
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<210> 31769

<211> 282

<212> DNA

<213> Homo sapiens

<400> 31769

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gatgggaarr	aagtcctctr	aggtcttcta	aatcagaatc	aagatgtaag	taaagataat	180
atgtatactt	ttaaaaagtat	taaacttagg	taaacattta	aataattaat	ttttatagta	240
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<210> 31770

<211> 94

<212> DNA

<213> Homo sapiens

<400> 31770

cttgaaaaaa	atttaactgc	aacttttagta	ttagaaaaat	gtctacaaga	ggatgtcaag	60
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aaagcagagt tgcattctgtc tacagaaagg gccc

94

<210> 31771

<211> 210

<212> DNA

<213> Homo sapiens

<400> 31771

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ctcttcaaga	ggctcttgatt	taatttatat	cttctcattt	tttgctgtat	atagcagaaa	120
cagcaaggca	gcaacttyct	agttgaaact	ctcctttgct	aaatcnntca	gttcattaca	180
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<210> 31772

<211> 451

<212> DNA

<213> Homo sapiens

<400> 31772

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acaagbttct	aatgccthtc	attgggagag	cttgccatct	aggatttagc	tagagaggag	180
caatgtctgg	cttcaaagct	tcgaaggaca	agttgactgt	cttggttagag	gcttatgcag	240
ctgctgactt	ttaagttgaa	gccagtgtct	atctaccctt	ctgaaaatcc	taggmacttt	300
gagaatgata	aatctgttct	cacttatagg	tagaggctaa	acagtgggta	cttatggvca	360
taaaagtggc	tataatagac	actggagact	actagaggga	agacgggggt	ggtcaagggt	420
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<210> 31773

<211> 70

<212> DNA

<213> Homo sapiens

<400> 31773

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<210> 31774

<211> 189

<212> DNA

<213> Homo sapiens

<400> 31774

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ctgctgascy	ttccctccac	tattgtccta	tgacctgtcc	aaatccccct	ctgcgagaaa	180
caccccaac						189

<210> 31775

<211> 438

<212> DNA

<213> Homo sapiens

<400> 31775

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taaaaagtct	atttgcggct	gggcccagtg	gctcatgcct	gtaatcccag	cacttgggag	180
gccgaggtcg	ggggatcacc	tgaagttggg	agttccaaac	cagcctgacc	aacacggaga	240
aaccagctct	ctactaaaaa	tacaaaattc	gccgggctgt	gtggcacatg	cctgtaatcc	300
cagctaataca	ggaggctgag	gcaggagaat	tgcttgaacc	tgggaggtgg	aggttgagct	360
gagctgagat	cgtgccattg	cattccagcc	taggcaacaa	gagtgaatt	ctgtctcaaa	420
aaaaaaaaaa	aaaaaaaaaa					438

<210> 31776
 <211> 59
 <212> DNA
 <213> Homo sapiens

<400> 31776
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<210> 31777
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 31777	
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cccaccaa	gcagaattaa
gntgaaccta	cttagcccg
cttccatggc	caggtatgtg
120	
ttgcagktct	aakgkttwaa
ggcaatggca	gatgggaaam
atgctatcac	tttkgtgtwa
180	
caaactgtgt	tcctaaatcc
atgctgtataa	ccccttctgg
aatgctggga	tgtnatcta
240	
gtgacaggat	cgmatcagat
ctkaa	
265	

<210> 31778
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 31778	
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atattgtcct	tggcagatct
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gggacccgcc	gaatggsgag
gctaaaagag	ctgtaacaca
120	
gaccagmct	gagacctgct
ccttgcttgc	cacattgcga
gtgaagagaa	ggagagaaga
180	
gctgcagcct	ttcagggatc
ccagacctgg	gagctcccca
agccagggtc	gtgactcctt
240	
ccttgggggtg	ctgcagtcc
tgggtgtctc	gagcttctgg
atgccactgt	gttccctggt
300	
gtcagctgtg	gaagctactt
gcgggtgtgc	tgtccagct
gcagcctggc	agagagctgg
360	
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gctgcccasc	cttctgcagc
agccggcata	tctgactgtg
420	
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431	

<210> 31779
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 31779	
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ctgaagccat	ctacactcac
120	
atagstttgc	camctacatt
aacctgactt	cttattccat
tattttcatc	aacatacatt
180	
tactatttca	agaaactttt
gccagggacc	ggaaagtgtc
aaatatcttt	attgcttaat
240	

ccagtatctt cttcaaagat ccaaccactc ttcaatggaa aacatcaaag aacagtttac 300
attctaagac tttgaacctt tacctcaaaa tcta 335

<210> 31780
<211> 55
<212> DNA
<213> Homo sapiens

<400> 31780
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<210> 31781
<211> 283
<212> DNA
<213> Homo sapiens

<400> 31781
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atttgggata tatattataa ttagctctga tgtctagtat agcaagtaaa cagccctcta 120
gcttgggtgg aaatgtgccc kggtcaggcg caacactcca gaagggcagc agccaccaga 180
ccagacgaca gggaagccca gctcccaagc aaaaccaaaa actgggtgga gtcttgtggt 240
gaggggaaag tatttgttgt tttctgttta gtctagggat acg 283

<210> 31782
<211> 226
<212> DNA
<213> Homo sapiens

<400> 31782
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ctcattcaac aagcatttat ggcacaccta ttgtgtgcca ggccatcctg acacagcagg 120
ggacgaaaca grcacaaacc cstgctctcc tagagctgac attctagtgg gagaaactga 180
caatgggcaa ggtacttggg taacaggtaa agtatgttgg gtgaca 226

<210> 31783
<211> 393
<212> DNA
<213> Homo sapiens

<400> 31783
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ttcagaagat aagactactt gtttccataa aagaatagg gaaaggagtg aggggtgaaa 180
cagggtggtta tacttttttc cttttgttct tccaggccac acgtgtctac acttagcctc 240
tatccatggc tacctgggca tegtggagct tttgggtgcc ttgggtgctg atgtcaatgc 300
tcaggagccc tgtaatggcc ggactgcnet tcacctcgca gtggacctgc aaaatcctga 360
cctgggtgtca ctctgttga agtgtggggc ttc 393

<210> 31784
<211> 192
<212> DNA
<213> Homo sapiens

<400> 31784

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tgtttttgaa	gacagggctc	cactctgtca	cccaggtcgg	ggtggcgtgt	aatctcggct	120
cactgcagcc	ttcaactttc	cgtacccaag	ccatctttcc	accccagctg	gggccccaca	180
ggcatgcacc	gc					192

<210> 31785
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 31785						
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aagatgatgc	aatggtttga	cctgtgagcg	aagttgtctt	caaggaaaca	gtctggtgaa	120
gtctgtttgc	cattagtaga	wgcttgtttt	catttggagg	gttagaggag	ttaggcaatt	180
ggaaaagtct	atagaatcag	gccctaccat	tcaacaaagg	ccagagagac	tccccagga	240
ctgctcccat	ggaggccacc	acagccctgt	gaggggtccc	tgtggacagc	atcattcttc	300
aagtttgctg	accca					315

<210> 31786
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 31786						
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tgctctgccc	tgccagctgc	tgatatggcg	ggggcagggg	gcatcagttg	ctgtgtcctt	120
ctttggccat	ggtgggwang	gtggscaggg	ggktgsctga	cactgaggga	gtccctgggt	180
gatgtctttg	actgggccag	gcatacaaag	gttaacttga	gccaaacaca	agctgcctca	240
gccagggctg	agacawkccc	agacatgccb	attgtdgtgg	ggcagacctt	ggactgggga	300
ggaggtggat	tctggaaggc	tgagtcaggg	caattggaga	caccattgat	ggaaagctag	360
gccaagaatt	ggcactggaa	agggccc				387

<210> 31787
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 31787						
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ctttattttt	aagcacttcg	cctatttctg	gtcattttac	tcctaatttt	cctggggaaa	120
gtgtgaaatg	sccttctc	ttcggrakgt	tccagtctgc	ataaaggcag	gagcatgctg	180
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ggagattggg	agtttgggtg	tggtgggtgt	gaaaggggaa	gtaggggaagt	agaaaagtag	300
atctactgga	taatctgac	aagatggctt	ttgttttatt	ntgaggggag	gaagggactt	360
gagtacattt	tcagacagag	gagaaggagt	caatagagag	ggaaagggtg	aggakaaggg	420
ataatcaata	gagca					435

<210> 31788
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 31788						
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aagtgttcag	tgctacaat	ttgctatgct	ttttttctaa	tctctcagaa	acttgaaaaa	120
aagctatcga	gattamcctt	tacagtgtgt	gcatataact	ttaaaacgac	tattttaacg	180
tcttttattt	aaattttatt	ttaacttagt	gcataaacat	tacagccagt	ttaacttgtc	240
cgtggaaagg	cagtagaatt	ttaccccgga	c			271

<210> 31789
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 31789						
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taagattact	ggtcttaaca	tttttataca	gattgcaccc	atacgtaatt	caacaaaagt	120
cagaattact	ttttacgcag	ttttgcatca	tgctcttttt	atatacctatt	tcccacgtca	180
cttaatatcc	tttataaaact	tatctttaca	tatctgtgtg	atatacagcat	tatcccta	238

<210> 31790
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 31790						
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cccccaaccc	aggcactggg	actctgggtg	caccctgggt	ggcagggaag	ccttgaaatc	120
aagtgcacga	gccttggaag	ggagggccc				149

<210> 31791
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 31791						
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tgatggaaaa	ggcatgtttc	ttcttgaaac	aagagaaaga	atagtccatt	aagactccag	120
gaaaaacaaa	accactcaag	aaaagcatgc	tccaactacg	agcaaactaa	agcatgacat	180
gagaatgtat	ttgaccttca	cactgggaag	cttccccttc	taggagaaca	t	231

<210> 31792
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 31792						
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aaacaaaagt	gtataaacaa	atgaattgtt	gataacttag	ttattgacct	ggagactggt	120
agcttattaa	agaaactccg	tgttactcat	tcctggagtt	gggggtttct	gtaggcactt	180
tattttctca	ctttcaagag	cttgggcttg	gccccaaatc	tagactgtcc	aattctgcct	240
ctattaccaa	tttaaactta	tggcttgaac	ctgtgcactg	aaaatcaaat	cctttaaaaa	300
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<210> 31793
 <211> 422
 <212> DNA

<213> Homo sapiens

<400> 31793

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tgtattttta	ataaacagct	gtgtatgggt	gtcagyhnag	ctaattaagc	ttttagggtgc	120
atctgttgaa	attgtttcca	aaataaagg	gmtaatar	ccattctata	ttgttccaga	180
cagatggagc	acagggaat	gtgtcttggc	attctaaaaa	agvatgaatg	gwgdammtg	240
gacactgttc	ccataaggmg	tacatgamgg	gacttgggat	atttaattgg	akaatagaag	300
attgamgggt	atgtggcaac	tgtcttcata	tattgcagak	ggtgtaatgt	gghwgcgaca	360
gactcggmgg	ggtcaatgga	tggcaagata	attactcaga	wtatggaagt	ctatgtattg	420
at						422

<210> 31794

<211> 234

<212> DNA

<213> Homo sapiens

<400> 31794

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gaatcatgaa	ctcattcaat	tcatacaagtc	aaaagcactg	agtgttttgc	tagtctagtg	120
acatgggtta	ttgtatttcc	gagaagtgcc	tctcatttct	ggggagtgtg	ttacatatat	180
cctgcattta	aaccaattaa	aacaatccaa	gtttctttta	aaaaaaaaaa	aaaa	234

<210> 31795

<211> 313

<212> DNA

<213> Homo sapiens

<400> 31795

aaaattaaat	taatttttggc	ttgtgggtttg	ctcaagaaaa	atacttctga	aacattgctg	60
tgctgtctca	gcttcagcca	ccaatcagct	gatgttttgc	aagctgtcac	tccttaaagt	120
tgttttttta	aggcctgatg	atttagctgc	cctgtcccta	agcaaaattt	gtatttggtt	180
tttacaatgta	tttgtgctgt	agaacggaca	tatatattgtg	ccttggttaa	tgcaacagtt	240
aggccgggtg	cggtggctca	tgcctataat	cctagcactt	tgggaggcca	aggcgggcag	300
atcacaaggt	caa					313

<210> 31796

<211> 174

<212> DNA

<213> Homo sapiens

<400> 31796

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taccactgcc	gattcccatt	agaaagtctt	gcttggttaa	tccaatcata	atttatttta	120
ttgccaacga	ttataatcta	gagctaattc	gattagtgtc	aatatcccga	gcc	174

<210> 31797

<211> 462

<212> DNA

<213> Homo sapiens

<400> 31797

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ctcatgtaac	tgaaaaatta	caggactaag	tctagctttt	aggtttggct	agaaataggg	120

gcttaaata	ga	tgtcaatcag	aactcagct	cacgctcctt	gtctctcaat	cctgatttct	180
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gtagaattgg	atgggtgatat	ggtttggtg	tatccccacc	taaattctcat	cttgaattat		300
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ggcggtttcc	cccatactgt	tctcctggta	gtgattaagt	ctcacaagat	ctgatgtttt		420
tataaagggt	ttccctttca	cttggttctc	attttctctc	tt			462

<210> 31798

<211> 245

<212> DNA

<213> Homo sapiens

<400> 31798

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ttagtggcgg	gtcaccataa	ttttgaggtg	gagatgaata	aacaatattt	tgagtttttg	120
acagcaactg	taatgtgaag	gcatccgatt	tctattgggtg	tcaaagtcac	aggtactgcc	180
aatactgtga	tgtgttgcc	acattcgtaa	ttggaaaaaa	tgctgaattt	taatgagcgg	240
ctcaa						245

<210> 31799

<211> 265

<212> DNA

<213> Homo sapiens

<400> 31799

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ctagctattc	cttttaaact	gatagtttcc	caacttgcac	accacagtct	atcagattgt	180
gttagatgtc	tttaaaatgt	ttgaatctgt	gtaaaacctg	agtgggtatac	ttctattatt	240
tcattctttc	ttctacctc	ccgaa				265

<210> 31800

<211> 276

<212> DNA

<213> Homo sapiens

<400> 31800

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tttttttaag	agacagggtg	tcacttcac	gccagactg	gagtacagt	gtgtgaccat	180
agctcactgc	agcaaaaact	cctgggctca	agtgatcctc	ccacctcagc	ctcctgagta	240
gctgagactc	caggtacaca	ccaccacacc	cgtgtg			276

<210> 31801

<211> 258

<212> DNA

<213> Homo sapiens

<400> 31801

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taagacaaac	aaatgaaaat	taatttaaaa	gaaaaactgg	ctagcttaat	accataaata	120
aaaagatgtt	cagcttttcc	tgtttcctta	gtgtattatg	cctatactgt	gttggttaac	180
ttttatcttg	aatagctctg	gaatttaaaa	tgtttaattga	gtaagtaagt	taatgacatt	240
caacctaaaa	aaaaaaaa					258

<210> 31802
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 31802
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 aaaaagggtg ttaaaagcat caatttatta tgtttaccct aacttttgca ttacaaatgg 180
 actccctgaa cccaaccat gctaaattta actttcatag tagttgccag agata 235

<210> 31803
 <211> 430
 <212> DNA
 <213> Homo sapiens

<400> 31803
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 ttgtttcttt tttaaatcaa ctttttaaaa aaataagtgt aaattaaccg actagagtac 180
 ttggaaaatg tgatcagtac aagtgaactt aggttggtgc caacaggggtc cttttaggca 240
 gaaccagaa accagtcaaa tctgtagaga agcagtgtga catcttcagg ttaccattat 300
 tttttaatga gcaggaagtc tagaaatgat aactagactg tatgtttcat gtgtgtgatt 360
 tttcagaatt cccagagttt actcattctt gttattaaac tctagccagt tgacatcttc 420
 gcaatttcaa 430

<210> 31804
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 31804
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 gacctcctgg gtccgcagtg tactgcgagg gagcacagat gtccatcccc cgctgggggtg 180
 gagagcagca gca 193

<210> 31805
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 31805
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 agggggghmwv gaagtaaatt attgtcaagg ttccctctgc cttgattgat agtttctgat 180
 gggagtggga aggaaggaat tbgagtaatg ggtagvtggg aatgagagat tacgggagag 240
 agagatgaga tgggttgaac agaagaggat gggaaactgat ggtagctagg aaggaaagcg 300
 tcaagaagga cctgaatgta ccccgctttt ctcgccaaac ttcagtacca cctcaggaaa 360
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<211> 270
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 taagtagcca ttttggttt tagtacctca cttttgtaat aaaatgtatc agtatgtata 180
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 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 31807
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 cggcctcgga gacggcgccc cggccgtgcc ggagtggaga tcgccaggct cggaggaacc 180
 ggagctctc cacgccctg cccgaagcct gaccgcactg cca 223

<210> 31808
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 31808
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 agttccagtc atagtgtgtc tgtggcattc cagtccaacc atgtgactta tttattctaa 180
 tttgagggcc gct 193

<210> 31809
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 31809
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 atgggtggcca tgttttattt gcatatattt taccatattc aggtgttgtc ccatgttggg 180
 ataaagggtt tcatatatta atcagaatgg gt 212

<210> 31810
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 31810
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 aaataatgat actacctctg gaaaaaagga ttcattgactc agtgggtctg tttccctact 180
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gcac

244

<210> 31811
<211> 371
<212> DNA
<213> Homo sapiens

<400> 31811
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gcaatggags gtgggawkna agaatttcat cctgggtgtg aaatcaccca gatgaatcta 180
gcatggcaat gacttgaaaa wsggagtagg aggcaatgac atggacttga actggttagt 240
tgcaaatcag gtgggtatct tatcttgaag taagtaagct gtggaatcaa agacaagatc 300
agcccgctct tcaactttaat tccctaagat ttgaggcata gaaatcttgn agagtgtgag 360
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<210> 31812
<211> 309
<212> DNA
<213> Homo sapiens

<400> 31812
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aatatgtaat agtagtgtht gtaagatact cttgtctaat attaactagt agtattthtga 180
tttgtacagt cataatthtgt taaaatgact tcattthaaca ttcactgatg tagattaata 240
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tggggagcc 309

<210> 31813
<211> 344
<212> DNA
<213> Homo sapiens

<400> 31813
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tggaagaagct tggthtaamt gcttatcctt ggactggtac aggctgaat gcatccagat 180
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tctactgcat atacagcctt cagaagctg accaggthgt tctgttaggt agtcaattht 300
aggaaccgct gatctaacct aatctcttht tcacgtcagg acag 344

<210> 31814
<211> 394
<212> DNA
<213> Homo sapiens

<400> 31814
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tgaatggaga gtgaaacct gaggcagtht ttcaaatctt cagthaaagc aaggggaatgg 180
ccacaagctt agaaatagca tcagatagga gaggtataga ttagthtagt aagtatcata 240
ggaatagaat aggggtctth ttthaatat acttcaagth ttagggtaca tgtgcacaat 300
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394

<211> 158

<212> DNA

<213> Homo sapiens

<400> 31815

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<210> 31816

<211> 172

<212> DNA

<213> Homo sapiens

<400> 31816

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gcattcccac	cggcagtgtg	gaagtgttcc	tgttccccgt	atccacacca	tt	172

<210> 31817

<211> 218

<212> DNA

<213> Homo sapiens

<400> 31817

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ggcgcacgca	tgtagtccca	gctactcctg	aggctcagtc	aggagaatcg	cttgaacttg	120
ggaggcggag	gttgacgtga	gctgagctca	taccactgca	ctccagcctg	aacagagtga	180
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<210> 31818

<211> 347

<212> DNA

<213> Homo sapiens

<400> 31818

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actctacaat	catcttgatc	tcgatacact	actgctacca	tttattgagt	gtccactagg	180
tgtaagamac	tttgttagaa	tctggtcata	cacggattgc	tgcacaacag	cacagtgggt	240
aagamgtggg	tagtagcacc	agactgctcg	gggtctattac	tgccaagtgt	aractaagct	300
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<210> 31819

<211> 191

<212> DNA

<213> Homo sapiens

<400> 31819

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gatacccgac cttgactggg gaccaagcac gaaatcccta agaggtgrca ggmagaqasa 120

agtctgamac gttaagtgag ttaaccagat ggtgtcagaa gtggaatcca aagaagagct 180
aacaacccca c 191

<210> 31820
<211> 300
<212> DNA
<213> Homo sapiens

<400> 31820
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attggctgaa ggaaaaagaa tggaaaagat atcatgtgag taaacattag aaaagctgaa 120
gtgaaaaatg tatgaatatc agagaagata gatgttaaga caaagaatat tactagaaat 180
gactatgttt tataatgcaa aatagttcag tacaggagaa agatacaata atttgagtgc 240
atatgaactt aaaagagaat ttcaaaatat atgaagcaaa aattgacaga acccaaaagt 300

<210> 31821
<211> 385
<212> DNA
<213> Homo sapiens

<400> 31821
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gtaactctat ttgaggagtc ttattaactt atcctattag aaatatttct ttttattaat 180
atatgtaatc tcgaagtttt cttaaccttt atagccagca tttggagact gaggagaaat 240
cactatttga agttctaaga accgatggaa ctctgtatt ttgagagttt atttagaaca 300
tgtaaaccta agtaatgctg tacttgtttt agttattcct ttatannntt aaaatgatit 360
tcttagtatc aaattaatat gtttc 385

<210> 31822
<211> 454
<212> DNA
<213> Homo sapiens

<400> 31822
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tggtttgttt ttaaggaata tacccttaa aacctttaac rtagtaattg ggggtgtttgt 120
gtggatgtct ggtttgatct gttgttcctg tttgttttcc ctaaagtcac ataactctgta 180
tttttctctt tcctggact tgctttttct caaataacgc agtgaccctt ggttggtccag 240
agatttgaat ggtggtttgt attggttagt attsgsagct atcttgcat tttttgcagt 300
taagttcgct tacctacaag ggtcctctcc tggatggaag atctcactgt ggattcgtgt 360
gtctgtgtgt gtgctgtac atgtgtacac acgtgcatgt ttgtgtgtgt ttaatgaagt 420
gagtggagaa gcacaggcsa ctgcacattt atca 454

<210> 31823
<211> 95
<212> DNA
<213> Homo sapiens

<400> 31823
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aaaagctata tggactttt tttttttttt ttttt 95

<210> 31824

<211> 288
 <212> DNA
 <213> Homo sapiens

<400> 31824
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 cttccgaagc acagggttaag tacagcttca gaaccaagtt tagaagtgag tacacatatg 180
 aatgatgaaa gacataaaga aacatttcaa gtgagagaat gttttggcaa cacaccaaac 240
 tgtccatcca gtcctcaac taacgatttt caggcaaact caggtgcc 288

<210> 31825
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 31825
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 atttggtcac caaatattka tttagcacat accaagtgcc agggattgtg tggtcgtttc 120
 attgtatggt gatgagccag gcagatatgg tttctggttt taacaaagag atgtttaaca 180
 agagtataac aggtagacct ggtatctgtg gagtcaggga aagtttccat gaggaaggga 240
 catttaaaact gagataagaa gttagctggat gaagtgggga ggaggggcatg taggtgtgag 300
 gaccatgggt gctggaattt tgaaaatggt aatcaaccac agcatgtgca aaagtcctgc 360
 agt 363

<210> 31826
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 31826
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 gatactttat accatttcaa cttttttgaa tttagtgtgaga cttgttttgt ggccaatat 180
 gtgggtctctt ttggagaatg ttcctcgtgc tgatgagaac agtgtgtatt ctatggcagt 240
 tggatgaagt attctgtaag tgtcaattat gtatatttgg tttggattgt agtttaactt 300
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<210> 31827
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 31827
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 tgtgtttata tttaatgtat tagttttcca tgttgaagag ttactagga ttgcacatat 180
 agtatcctga gatcttgatt ctataaagaa ttattaagtt tattaataaga tacagaactc 240
 tttcctcatt cttttctttt tcacagttgt ttgtgtgtkt atttkttatt tccaaaattta 300
 tagtgatggt atataaatct gccaac 326

<210> 31828
 <211> 217
 <212> DNA

<213> Homo sapiens

<400> 31828

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gctttgtcga ggaagctaga gatctgaatg ttgagtagaa gtagctggag gggtaagagg	120
gtaaccagga catggtgaag gtcgattgga ggaaggggaag acggttcagg ctggtgggct	180
gctagccaca ggagcaagtg gtaggataat ggcaatg	217

<210> 31829

<211> 392

<212> DNA

<213> Homo sapiens

<400> 31829

ctggtttaaa gaatgagaag tgtgagccac cgtacccggc catagagcag cctcttcctt	60
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ctgaggggaat gcacccatct ccttctctct gaccagttag ttaccttgct tattctttca	180
aagctctttac caccacctga wgtcatctat ctggtttggt tattttattg tttagtagca	240
gtctttatatt tattatcatt attatttttt gatggagtct cactctgttg cccaggctgg	300
agtgcagtag catgatctcg gctcaccaga acctctgcct cccaggttca agcgattctc	360
ctgccttagc ttcttgagta gctgggacta ca	392

<210> 31830

<211> 264

<212> DNA

<213> Homo sapiens

<400> 31830

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aataaaatta ctttggtaaa aaaaatgagt attttaatat gacatttcaa taatgctatt	180
tattcaacat ctagctgtta agtctaaggt gctgaatgag gttttgttag ataatacaat	240
aataaagat aggatggcgg cccc	264

<210> 31831

<211> 302

<212> DNA

<213> Homo sapiens

<400> 31831

catcataaga ataggggtcc tggccaggca cggtgggtca cgctgtaat cccagcactt	60
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taaagaaacc ccatctctac taaaaataca aaaaataagc caggcgtctt ggggcatacc	180
tgtaatecca gctactcagg abgctgaggc aggagaatca cttgaaccga ggaggcggag	240
gttgcaagtga gccaaagtgg caccattgca ctccagccag cctgggcaac aacaccgata	300
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<210> 31832

<211> 412

<212> DNA

<213> Homo sapiens

<400> 31832

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attgtactct	cctgcctytt	tgtatacttc	atgatcttat	tggatgccag	acattgtgac	180
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caactaagtt	ccttggagat	agtttgatcc	ttgggggtatt	gctttgtgat	ttgttaggca	300
ggttcacagc	agtgctaark	ctagggataa	ttatccccc	ctactgaggc	aagatttttc	360
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<210> 31833
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 31833						
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cagaggagct	gaaagagakt	ttgacttgta	cctagatttg	aaabcwgagt	aagctaacaa	180
gaagacagaa	tgattcctag	nntcagggct	ggcaaaatgc	aaagtgaaat	tgatcgagtc	240
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cacactgtag	tatggacacc	caggtgtgtc	ccatagagga	cannbcbaaa	aatgtatctt	360
aactgggaaa	aaaagattaa	caaaaagaat	gaagatgtgc	ctcagctgca	tgaatataga	420
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<210> 31834
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 31834						
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<210> 31835
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 31835						
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gccatatatt	tatttttaaa	ntttatgtat	aatggtaacc	tgagcctgca	tgttattcat	240
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aaattatata	aaatttgctt	tatatttttg	attgcaaatt	aattgctgta	ctttatagaa	360
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<210> 31836
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 31836

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ggcttgctgg	attgaattgg	cagacctaca	tttagttctt	tgagaaatct	tcatactatt	180
ttccacagag	gttgtgctaa	tttacttcac	caccagcagt	gtataagcat	tccttattca	240
aatgaacaaa	taactaaatg	aagcattccc	tttactatg	tacacatcag	catctattgt	300
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<210> 31837

<211> 186

<212> DNA

<213> Homo sapiens

<400> 31837

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gtagaagagc	agtaaaggct	gattgacaca	caggsbatg	gagttgggtcc	ttgtccattc	120
tctcaccctt	gctgtgcatg	tatcaatcct	tatcccagaa	ggtactattt	agactgtata	180
gactga						186

<210> 31838

<211> 260

<212> DNA

<213> Homo sapiens

<400> 31838

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agatccctct	ggcctgcgca	tctgtctgag	tcgctgcctt	ccaggcctgc	tgacagcct	180
ggctttctctg	cctctttccc	gtgtagagt	ttgctaagtc	tatgcaagtt	ttccgttgcc	240
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<210> 31839

<211> 300

<212> DNA

<213> Homo sapiens

<400> 31839

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aagtcaatca	cctcccactg	ggttcctctc	atgacatgga	attgtgggag	ttacaattca	180
agatgagatt	tgggtggaga	cacagccaaa	ctatatcatt	ccaccctgg	tctcttctaa	240
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<210> 31840

<211> 145

<212> DNA

<213> Homo sapiens

<400> 31840

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ctactaaaaa	aaaaaaawta	aaaaa				145

<210> 31841
<211> 348
<212> DNA
<213> Homo sapiens

<400> 31841
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cctttgcagg ctgrctttgc ttaagtctga cagtgcacaa cttgtgagcw tactgcagtc 180
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tgcagagggc gagctcataa aactacaggg aagcgtgaaa tgatggcttt ggtagctgtt 300
tactgggtaa cccactgtg acactgtcct tttcatgtga tgtggaaa 348

<210> 31842
<211> 399
<212> DNA
<213> Homo sapiens

<400> 31842
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cacagggacg tgctctggtc ccacgggtcca gtgctctttt gtcggttagt tttgtcattt 300
gtaaaatagg aacagtagat agtggttaga aagtggttgt gaaaacttaa tagaaagcta 360
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<210> 31843
<211> 256
<212> DNA
<213> Homo sapiens

<400> 31843
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attgatgtct garggraaat argtctcgaa cggtagctgc taccaacatg aacgaagaaa 180
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<210> 31844
<211> 169
<212> DNA
<213> Homo sapiens

<400> 31844
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<210> 31845
<211> 273
<212> DNA
<213> Homo sapiens

<400> 31845

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gggctgtatt	ccttcctgga	aggctctaaa	gaagaatcta	tttcctttcc	ttttccaatg	180
tctaattgct	gccagattc	cttggcttat	ggcccttcc	tcaatcttta	aagccagcag	240
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<210> 31846

<211> 277

<212> DNA

<213> Homo sapiens

<400> 31846

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tatgcctggg	grcagctctg	taamvarttg	daataatcag	ttccatttca	magatgacta	180
agtcagggt	cacagagtct	aagtcacctc	cctaggtaag	tggcaggatt	ggaatgaggt	240
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<210> 31847

<211> 171

<212> DNA

<213> Homo sapiens

<400> 31847

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<210> 31848

<211> 139

<212> DNA

<213> Homo sapiens

<400> 31848

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srgttccgga	gtccagctgg	ctaaaactca	tcccagagga	taatggcaac	ccatgcctta	120
gaaatcgctg	ggctgtttc					139

<210> 31849

<211> 105

<212> DNA

<213> Homo sapiens

<400> 31849

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<210> 31850

<211> 429

<212> DNA

<213> Homo sapiens

<400> 31850

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atttttggct	tcttctactg	caggattaga	ttcagctttc	tctaagctgc	taagtcgttt	180
accactcagc	cagctgattt	tcactctcca	aaattttggt	gacacccctc	aattcctatt	240
gccatctccc	atcttctttg	ttcttaaata	tttatgtcat	ttttattcct	gtattgtgat	300
tgtactggag	catcggagga	agccaagatt	aatgtgggct	cattctacca	gaggctcctt	360
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 <212> DNA
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<210> 31852
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 31852						
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ttttattcta	acaaggaatt	ccaaaaaacc	trttctgagg	ccaggcgcgg	tggctcacac	180
ctgtaatccc	agcactctgg	gaggccgagg	caggtggatc	gcctaaggtc	aggagttaa	240
gaccagcctg	gccaacacgg	tgadvcccca	tctctactaa	aaatacaaaa	agttagccag	300
ggacgggtggc	aggcacctgt	ggtcctagct	actcgggagg	ctgaggcagg	agaattgctt	360
gaaccgggga	ggcggagggt	gcagtgagcc	gagatcgcg	cactgcactc	tagcctgagc	420
aacgagc						427

<210> 31853
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 31853						
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<210> 31854
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 31854						
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ggcccca

127

<210> 31855

<211> 440

<212> DNA

<213> Homo sapiens

<400> 31855

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aaattgtttt	cttaattctc	ttcacgtctg	actcatttcc	atgactagt	gttggttttt	120
cttttttgtg	ttttacacag	ataaacatag	tktatatamc	taatttcaca	tttgcaatat	180
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acttgcta	tgatttcttt	tccacatacc	agcatcacat	tgcataggat	tcagatttgt	300
atcctcaaaa	aaaaattatc	aaatacatct	tataatcctt	tgcaa	aatgat tctaaatata	360
aaaactcaat	gtttaacatg	tgagtctact	tgactacta	tgtaaataaa	tnawgtttga	420
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<210> 31856

<211> 457

<212> DNA

<213> Homo sapiens

<400> 31856

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ttaaaattat	gcttaccaca	aatcaagctc	attttattta	tttacgaagc	attggctctt	180
cctgaaaaga	gtgccctgga	gtacaaaatt	attcccactt	agtttctggg	ataatatttt	240
ccatttatgc	accagtattg	tgataaagga	gacaatgggt	tttcattaac	actaatatgc	300
tttagacaga	aaaatggcct	ataagtactt	ctgaccatga	gataatcttt	ggacaaactg	360
caa	atcatga gtaattactc	cttctacttt	gaaggagtaa	cgcctcagca	cctgatgcta	420
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<210> 31857

<211> 228

<212> DNA

<213> Homo sapiens

<400> 31857

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aaacaacaaa	attaaggcag	aaataaagat	gttctttgaa	accaataaga	acaaagactc	120
aatgtaccag	aatctctggg	acacatttaa	agcagtgtgt	agagagaaat	ttatagcact	180
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<210> 31858

<211> 323

<212> DNA

<213> Homo sapiens

<400> 31858

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gaacagcaag	atggaagaca	agtggwkrag	taatcatctg	ttttgagntt	gacaagggtg	180
gacataaccc	tgtaataga	cacaagtaaa	agaaaatcat	actaggattg	gatattagt	240
agcgagcacc	gaccagtaga	aacaacaaca	gcataaatct	gttatattaag	tatcccaata	300

atgagggttaa aaaaaaaaaa aaa

323

<210> 31859

<211> 447

<212> DNA

<213> Homo sapiens

<400> 31859

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gaatgaataa	ccttgaaaac	ttgaaagtgg	attcgactac	ctggtgacac	agaccacatg	180
gtaatacacg	agcaattttc	tctaaccct	aaacaggtct	cacaagcaat	ctttggtttc	240
tcaacacttt	tttccaatt	aaattgacca	gaaaatatcc	ttctttcctt	ctccagcatc	300
taacttttta	agttgcaaac	tcataaatga	agtcaggcta	ttgatattat	gcttacattc	360
tacacagtaa	tattataaat	ttaaatgaag	caatatctac	tctgtgttct	agttcctcaa	420
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<210> 31860

<211> 397

<212> DNA

<213> Homo sapiens

<400> 31860

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agggatctga	gaccagattg	ttctcgcaac	ccytgccaga	actcactctc	ccctgaagtt	180
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tttcctaate	ttaaattcac	agataaagca	atgaaaagag	tcagatccca	tttcggtctg	300
ccccctcgtc	accaggtgtg	atagccccag	ccaggwcaca	cctggcctca	cactttgagc	360
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<210> 31861

<211> 516

<212> DNA

<213> Homo sapiens

<400> 31861

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gtataaatta	gagattccta	gtscatgac	tgtgaatgag	ttccttgga	agtgcataaa	120
gcctaaaaga	tttctgagga	gaagtattgg	htttagtacc	taatgtttgt	ctgccactgt	180
agtttaagga	tttggcaaac	agacaaagac	cagctcatgc	agggcctagt	aggtcatagt	240
aagaatttta	gtcttgaaag	cattgaaaag	acattgaaac	tagggagtgg	tccagtaaag	300
tgctattttt	ttttaagaaa	aattattact	ctacctgcag	agtagtgcaa	ttactattag	360
taattcacta	ctactagtaa	tatctgaggg	gatcatcagc	agtgcatgga	agagatgtgc	420
aagtataaat	ggtgattgga	aaagagtgga	ggtaatgraa	atacaacctt	tcaccaaata	480
ccagctgrgc	atttattatg	tgtcatgtgc	tactat			516

<210> 31862

<211> 124

<212> DNA

<213> Homo sapiens

<400> 31862

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atttgtctgt cattaacaaa tgactccttg ctataaatct ggccaagcta tctattatcc 120
cccc 124

<210> 31863
<211> 407
<212> DNA
<213> Homo sapiens

<400> 31863
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agagatcagc aaaccatggc tcttgccaaa ttcagtccac catctgcttt tgtatggctc 120
ttgadctaag grwgggtttt wamatTTTTA aatgtcttaa aatgttaaaa gaagaatact 180
cttttgaac aggtaggagt tgtacaaaat tcaaatttca atgtccataa aatgttattg 240
naacacagcc acactcattg gtttgagcat tctcaatggc tgcttttgca ttgtgagggc 300
agagttgagt agttgcaaca gagatcatgt agcctgcaaa gcctaacata tttactgtct 360
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<210> 31864
<211> 361
<212> DNA
<213> Homo sapiens

<400> 31864
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c 361

<210> 31865
<211> 316
<212> DNA
<213> Homo sapiens

<400> 31865
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cctcaaggac ccctgtgarg scaggcagaa atggcgtggc aggggaccca gcgagcccag 180
agggattttg ccgctgcttc ctctaccctt gtatttcacg cagctctcta aattgactca 240
gctccaggtg aggtcagaat cttctcggat aatctagacc ttcaggttcs hcagtggggc 300
tgtgtgtttg ggggcg 316

<210> 31866
<211> 283
<212> DNA
<213> Homo sapiens

<400> 31866
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atttggggag cttggatttt aaggcagtag cttgctgatg ctcccagctg aataagtccc 120
ttctttctac aactcgggtg cttgagtttt gtctgcagct cctcctgtta catttcttgg 180
ctccctgact gggaagcaac gtgactgaca gacagctgag gcagcccctt aggcaactta 240

agcctgcctt gtggagtgcc cctgtggggg actcagccag hcc 283

<210> 31867
<211> 448
<212> DNA
<213> Homo sapiens

<400> 31867
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tggttgartta ttttttacct caataaggda taaatgtata tccatctatc atctatctat 180
catccaaata tatatcaaga aagtcattaa actaataacg aaaaatgttt tgtgtatgtg 240
caggaagaat cagactaaat actcatatag aaaaaattgt cagcctttga agaccatcth 300
adattatctt cttgatacat tttgttttca aaacagattt tgaagaaacc tgaaatagca 360
aaatgrcrtt tcctttaaca grcttaaaaa gcactgraat caracacttg atcttagttt 420
tgaagcagtt atgttctatg actatagt 448

<210> 31868
<211> 275
<212> DNA
<213> Homo sapiens

<400> 31868
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ttccgcgctc ttctggaccg gctcctgca agtcctaate tcagcccaaa ttcagcgctg 120
gcttccatct ggagatcttt gatgggtaca aatggtagst gactttcttc gatcatctct 180
cgaacgggag ttcggtgagc agcaactcgg ctcgctcggg aatccagact ttccggaaga 240
cggaccctcc cccagtcga gcttagcccg cctgc 275

<210> 31869
<211> 75
<212> DNA
<213> Homo sapiens

<400> 31869
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gtttaattaa gagta 75

<210> 31870
<211> 245
<212> DNA
<213> Homo sapiens

<400> 31870
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tataaaaaaga aatgtttagt ggacagggtg gtgagttaaa ctctagagta taactaagca 120
gtgtkgcttg ccatttttta ctgatttgct tgtgcttcta ccasccttctt aatgkgctcc 180
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gtcct 245

<210> 31871
<211> 280
<212> DNA
<213> Homo sapiens

<400> 31871

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tacaagtttg	tcttwacgma	actaagaaca	gtatgaaaag	gatgttaaaa	tatctgggta	180
gttattaaaa	taaatttatct	ctaaaatgaa	ttttgtaatc	tattattata	atctttactag	240
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<210> 31872

<211> 388

<212> DNA

<213> Homo sapiens

<400> 31872

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agrtcatcyc	yttttwtatg	mctagataga	gatgtaccca	agcagcaatt	tcaatttcat	180
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tactaaaaca	ctgtttttgt	ttgtttataa	atTTTTtatt	tttaaaaaat	taatttccac	360
ctgaatcata	gattcaagtt	gccctgaa				388

<210> 31873

<211> 450

<212> DNA

<213> Homo sapiens

<400> 31873

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taaggaattg	gtaaaaaaat	atgaagaaaa	gaaagaaagt	tattatcaca	aattaattgt	180
accagttact	tccaggaaat	ttaactgacc	aggttcttac	aggaggcttc	agcaatattg	240
ccattagttc	tgttcttaag	ntggggatga	ggtagataca	tgggaatttca	ttttgtataa	300
ctattacat	tctggaagaa	aacattcaaa	ctgtttttca	tctgctgtca	cactaacaca	360
acaacagtca	atacagaaga	cttctgtgac	cccaaaatat	gtggagggtt	ttcccatca	420
gcaagcaagc	aatcagttct	gcagcagata				450

<210> 31874

<211> 147

<212> DNA

<213> Homo sapiens

<400> 31874

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aagaattttg	gtctcttggc	ccaagcc				147

<210> 31875

<211> 336

<212> DNA

<213> Homo sapiens

<400> 31875

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ggggagggtt	ttactttttt	tgcaaaaatg	tttgaaaata	tctgtcagat	tttatattcg	300
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 <212> DNA
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caggcacaca	ccaccgtgcc	tggtatngt	tttagatttt	tgaggaaacat	ccatactgtt	240
ttccatatgg	ctataactaat	tagcattcct	accagccata	tataagagtt	cccccttttc	300
catgtttctca	gcagcatttt	ttattkttta	tctttggtta	tagccatcct	aactgagggtg	360
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<210> 31877
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 31877						
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aagggtgtaag	gaagggatcc	agtttcagct	ttctgcatag	gctacccagt	ttttccaaca	180
ccattttatta	aatagggaat	cctttcccca	ttgcctgttt	ttgtcagggt	catcaaagat	240
caaattgggtg	tggaagggtg	gggtgttatt	ctgaggcctc	tggtctgttc	caatacatgc	300
tggtttgggt	actgtagcct	tgtagtatag	tttgaaagtc	ggtagcatga	tgctccagc	360
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<210> 31878
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 31878						
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<210> 31879
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 <212> DNA
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aagaatatgc	attctgcaat	cattgggcac	tgtaaatcct	attawdcaaa	tctacatttt	180

ttactcaatt	ttgaagtctt	tttgtkatat	cagtaattta	taaagtgatg	ttaaaatctc	240
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<210> 31880
 <211> 342
 <212> DNA
 <213> Homo sapiens

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gaaatgaatc	taatccataa	ggctttgtag	tacnagattg	aaaaactcaa	caagaattta	180
attctaaaag	caaaaattgg	tttgagtttt	caagtttact	aatttggatt	gtgagaaagt	240
accaagtacc	agccgtccaa	actgatcaca	attaaaattc	tgacagttgc	cttttttttc	300
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<210> 31881
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 31881						
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gaccggcctg	ggcagtatag	taagaccccc	ccccatctca	aaaaaaattt	ttattactaa	240
gtcaggcata	gtggcatgat	tctgtggtcc	caccttcttg	ggaggtggag	gcaggaggat	300
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<210> 31882
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 31882						
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gccaccascc	cagctaattt	tttgtatttt	tcgtagagac	ggggtttcgc	cgtgttatcc	180
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<210> 31883
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 31883						
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aacttatgaa	ttgtttattt	ctggaatttt	ccatttaata	tttttgacc	atagtgactg	180
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<210> 31884
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 31884
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 aggattgggg tttttgccag atgggtgtga tgagaatctt aagagttaag ggtaaag 177

<210> 31885
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 31885
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 cgacctcctg agctctagca attctcccat ctcggccttc caagtagcta ggactgcagg 180
 tgtgtgccac ccc 193

<210> 31886
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 31886
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 ctgagatcta ctttcttaag aaaaaacaaa tctaggaagc ttacagtggc taagatgggt 180
 catttaaatg taggtgattt ataactgcac gtaagtctat ttcgtgttgc tttgttatct 240
 tacctctcga taagaatggc aaataactac tcttactcat tgtgcatgat tttctgggtt 300
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<210> 31887
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 31887
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 tatgtggtct tttgtgactg acttatttca cttagcataa tggtgtcaag gttcatccat 180
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<210> 31888
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 31888
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ctgaatttat	cacttcttcc	aaatctgttc	ttcctctttt	tgtctgccct	aattcaaatt	180
ataatttact	caggcaccta	agtagaacct	gttatttgtc	cttgactctt	tcttatgtaa	240
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<210> 31889
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 31889						
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gtagtaaaat	gggttgatat	atttagagac	attattcatt	ctacaggcag	agcttgatgc	180
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ccaaggaata	tttgtcttaa	gagtagac				268

<210> 31890
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 31890						
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aaaa						64

<210> 31891
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 <212> DNA
 <213> Homo sapiens

<400> 31891						
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tactaaatgt	gaatggattc	tcaggtagag	catagtcctt	ctgaaattca	ctctttgctc	180
aaacattttat	tggcatctat	taacaggcac	tgtatttgtt	atgggggttca	ccaaaatgaa	240
tgagacataa	ggcttattct	caaggagatt	atcttgtttg	gattataaat	catttcctaa	300
gcaactaaaa	knbaagatag	tgagctcag	caactttaaa	gagcacatgc	catgtgccag	360
gcactctgcc	aggtggcgga	agtacagaaa	tgagttagat	acaggacttt	cttctcaaag	420
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<210> 31892
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 31892						
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ttkawgwctg	tctgarvwkg	gtaacgatca	agttcctgaa	ccacagcagt	caaatcaaac	180
ttaatactgc	aagacatgga	aatataa				207

<210> 31893
 <211> 421

<212> DNA
<213> Homo sapiens

<400> 31893
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cccggtgttc aagcaattct cctgcctcag cctcctaagt agctgggact acagggggccc 180
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aggtctcaca ggatgggaca caaggatagg cattaagcag gacttccagg gcchrmggga 360
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c 421

<210> 31894
<211> 380
<212> DNA
<213> Homo sapiens

<400> 31894
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aacaactagt gtartacact gwwagctttg tktgtagtgt tgtwattcca taggcttttg 180
twctttgggt tagttttgaa tttttcccca tacgtgatgt atgtacttta atatttntga 240
gaaatgataa ctttgagtyt atgtaaaaag atttktatgg ttagcacttc ttgtcttgac 300
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ttaacaacaa tcacacagaa 380

<210> 31895
<211> 324
<212> DNA
<213> Homo sapiens

<400> 31895
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cgcctgactg gtttttcata ttattttgggt ggagacggag ttctgctgtg ttggccggggc 180
tggtctccag ctccgaacca cgagtgatcc gccagcctcg gcttcccagag ttgctgggat 240
tgcagacgga gtgtcgttca ctcagtgtc aatgggtgccc aggctggagt gcagtggcgt 300
gatctcggct cgtacaacc tcca 324

<210> 31896
<211> 445
<212> DNA
<213> Homo sapiens

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aagtcggagg gtcgaaggtc ccttctagct caggaaaatc gaggtcagga ggccggggata 180
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<210> 31897
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 31897
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 ggtccc 186

<210> 31898
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 31898
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 aggtacatga gatattttga tacagggtata caatgcataa tgatcacatc agggtaaatg 180
 gtattggagt atccatcacc tcaagcggtt gtcattcttt gtgttgtaaa cagtccatat 240
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<210> 31899
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 31899
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 tgtggggcct acacgccag acacacacat acccaaccaa aaaaatctcc caagctcctc 180
 tcttagaata tctccgaat cctaaatcta gagctccaag gatgctggtc attaagaaag 240
 gtaatacaaa agacttacag ctatctggat tcccagtagt aggaaatctt ccgtcc 296

<210> 31900
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 31900
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 gttgggggta tacaatgaaa aaataaatcc cgatttctgg cttctcttaa aacataggaa 360
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<210> 31901
 <211> 242
 <212> DNA

<213> Homo sapiens

<400> 31901

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aaataattgg	gaggcttata	tttcagatat	aggaggctct	ttgggagggt	ggtatactaa	180
tcaaccccc	taatcaatcc	aaagaatcct	cttggattct	ttgttgttct	tatagacacg	240
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<210> 31902

<211> 462

<212> DNA

<213> Homo sapiens

<400> 31902

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ctgtccctga	ttcctcagca	tctcttcagg	ttttgttcag	acctgaaggt	cagaggtaac	180
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gcactttggg	aggccgaggc	gggcagatca	cgaggtcagg	aaattgagac	catcntggct	420
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<210> 31903

<211> 307

<212> DNA

<213> Homo sapiens

<400> 31903

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gccattaaat	tgtatatact	ttaaaacagt	ggattttatg	gtatgtgaat	tttatctcaa	120
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acgcctgtaa	tcccagcact	ttgggagact	gaggcgggcg	gatcacctga	ggtcaggagt	240
tctagactag	cctggccaac	atgatgaaac	cctgtctcta	ccgaaaatac	gaaaattagc	300
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<210> 31904

<211> 319

<212> DNA

<213> Homo sapiens

<400> 31904

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cctggggttt	tggctggatt	ccacctcgct	cagtgtgat	agtctgtttc	cctggaacat	180
tcctgtgggt	ttagtagtaa	tgagatgtgt	gcaccactcc	agtgggaact	gaagctctta	240
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ccagagacac	accgttcca					319

<210> 31905

<211> 373

<212> DNA

<213> Homo sapiens

<400> 31905

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aattttggtg	tatttaagat	gacccttttt	gaacttgtgt	gctaacagcc	catttgctga	180
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atcttattag	tgaagtatga	tatgtataat	tacattttca	tggtatttat	aaaacttcta	300
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<210> 31906

<211> 442

<212> DNA

<213> Homo sapiens

<400> 31906

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agttggttgt	ttaagaatgc	ggaacctctg	aagtctcttt	ccttggcctc	caccagccga	360
gatagcccag	gggctgtggc	agcgccattg	atctctggcg	tgagatcca	aagctgagmg	420
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<210> 31907

<211> 253

<212> DNA

<213> Homo sapiens

<400> 31907

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cctggcttcc	tttcccttgg	ctcctctagc	amccatataa	agtgaatcat	aagatttctt	180
cttdaaaaga	tttgactac	ctccaccaat	gagaattaat	gcttysgggc	atctttggtg	240
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<210> 31908

<211> 146

<212> DNA

<213> Homo sapiens

<400> 31908

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<210> 31909

<211> 187

<212> DNA

<213> Homo sapiens

<400> 31909

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ttgaatttaa gatccaggat atgtaggaat ggatagaaag atgattgtca ggaaatttgk	120
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 <212> DNA
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<210> 31911
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 <212> DNA
 <213> Homo sapiens

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<210> 31912
 <211> 66
 <212> DNA
 <213> Homo sapiens

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<210> 31913
 <211> 336
 <212> DNA
 <213> Homo sapiens

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gaaagtgaag gagctggtga tgcaggtgga tgatgagcac ctgtcattga ctgatcagaa	240
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<210> 31914
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 31914	
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aatacaggtc	gagagctatg	aattttgatt	ttccttttaa	aaagggatca	ggaatacctc	300
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<210> 31915
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 31915						
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gatgagagca	tggcatbwag	tggaccttcc	tgattgaaga	gaatcacatt	agggctataa	180
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ttctaagagc	tttggtatat	tgcagttcaa	tgccagccta	acttggtata	aatttaactg	300
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k						361

<210> 31916
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 31916						
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ttcactgtaa	gggtagtga	atcctgtttg	taacacaccc	tgtcctggga	ctaaatggaa	180
gggattgagg	aaattctgct	ggagtctaac	cccaccatag	ggcagcagca	ttttaggaac	240
aaaagcagag	aagctcacac	tcttctgagt	ataactgggg	agaagattta	gggaggtggc	300
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<210> 31917
 <211> 553
 <212> DNA
 <213> Homo sapiens

<400> 31917						
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tgaaagagtg	ctttacagct	gcaaactctaa	ttcattcaag	tgatcctgac	ttccaaattt	240
tggaggatgg	ttcagtctat	acaacaaata	ctattctatt	gtcctcggag	aagagaagtt	300
ttaccatatt	actttccaac	actgagaacc	aagaaaagaa	gaaaatattt	gtcttttttg	360
agcatcaaac	aaaggtccta	aagaaaagac	atactaaaga	aaaagttcta	aggcgcgcca	420
agagaagatg	ggctccaatt	ccttggttgh	wgctagaaaa	ctccttgggt	ccttttccac	480
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gaggtcctgg	agt					553

<210> 31918
 <211> 255
 <212> DNA

<213> Homo sapiens

<400> 31918

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agacataatt	cacataccat	acaattcact	catttcaatt	ataccattca	gtgtttcttt	120
agtattttta	cagagctgca	caacaattat	ggaaatcaat	tttagaacat	ttccttactt	180
caaaaagaca	cctcnttact	ctttagcagt	cactcctcat	ttattcccag	ttccaccctc	240
cctgcacca	cccgc					255

<210> 31919

<211> 206

<212> DNA

<213> Homo sapiens

<400> 31919

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gtttratttt	gaaagcctag	tctkgtctct	caagagcatc	tcggaccag	aacattctcc	180
agtagtgcat	tcagttcaac	acagcc				206

<210> 31920

<211> 409

<212> DNA

<213> Homo sapiens

<400> 31920

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agttggctgc	tccagactct	gcttagtttt	cctttctcaa	agttctccct	cctgtgtcct	180
agccggggaa	ttagctaaaa	tgggaatttc	tttgggtgatc	aggtatcctt	ctgatgaaga	240
gaagaaaggc	ctaaactccc	aggcatggat	gcattagaaa	gaggtagtct	tagaaatgag	300
caggcggttg	ttatttatgc	aggactggca	tactttctgt	gctgccaagg	ggtgattttt	360
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<210> 31921

<211> 272

<212> DNA

<213> Homo sapiens

<400> 31921

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aggacacata	ttgggtggta	tatgttacag	gagattttga	gctgggaggt	ttcagggaga	120
agasagaaaa	aatgacgaag	aagctatgta	tagtaaggca	cactgaattt	acttccaggc	180
ctatttgaac	atggaatgtg	ggaagacttt	gaggaagcag	tatattcagg	ggagagctgg	240
gtttcactta	gaatgagaaa	gcaaggggac	ca			272

<210> 31922

<211> 425

<212> DNA

<213> Homo sapiens

<400> 31922

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cctctgtgct	tcctaaattg	tactacctct	aactgagcac	atctcattgt	ctgttgagta	120

aatatcttaa	ttggtcttcc	actaagctgt	cagcttggtt	atggtgagga	cttttttata	180
gtacattcaa	aacctggaac	aatgcctgga	atatgccagt	gaccaatgaa	cgtttgtgga	240
atgaatttac	ctcgggcatt	gcagttcctt	agatgtacgt	gacctccagg	gccctctcac	300
attgtcccct	tgatccatga	ttctctgcag	cagtgttgct	cgtggcggct	tgtttacctg	360
ctgtgccaga	cccagtttgt	ggtcatcact	gtgtccatga	grataaacag	acacagctca	420
gagat						425

<210> 31923
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 31923						
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ggttcttctc	atgaaggag	ttgaatttta	tcaaattgct	tntcagcatc	aattgagatg	180
atcatatggt	ttttgtcctc	attctgttga	tatgatgtat	cacattgatt	tatttccata	240
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<210> 31924
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 31924						
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ggatcggggg	acctcccttt	ggagatcaat	ccccatcct	cctgctcttt	gctccgtgrg	120
aaagrwtcca	cctatgacct	caggctctca	gactgaccag	cccaagaaac	atctcaccat	180
ttcaaattccg	tacaagaagg	caggaatgtc	aggcctctga	gccaagcca	agccatcgca	240
tccct						246

<210> 31925
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 31925						
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cactcaggtg	agtagtgctt	gaaaaactgg	ttgaggattt	gaagtcacca	tt	112

<210> 31926
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 31926						
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aattccgggc	gtttcggctc	cttggctcgca	gaggcaggag	gcacccgacc	gcatgtctgt	120
catggamctc	ggcmaatact	tgctccagct	ttcagtcgga	cctggatttc	tgttcagatt	180
gcggtctcgg	cctgcctctg	cccggggctc	aggatacgg	cacctgtatt	cgctgtggct	240
tcaacatcaa	cgttcgggac	tttgagggga	aggttggtga	gacttcgggt	gtgttccacc	300
aactggggac	agccatgcct	atgtcgggtg	aggaagggcc	tgagtgccag	ggacctgtgg	360
ttgacaggcg	ctgccctcga	tgtggtcatg	aaggaatggc	ata		403

<210> 31927
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 31927
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 tttaaaagcc cgtagagaag attaaccttt aacatcatca tttaaatcta atgttaccac 120
 attttacagt gkymatkgac actatgttta gccttagata gttgcttttc ctaaccatat 180
 tgtgaaacta ctaaattttt tttttttcca aatctaatag aggaactgct ctcttttttt 240
 tckggtttct ctagtgtagc actat 265

<210> 31928
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 31928
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 ctgaatctgc actcagagcc aggcctcaga tgacctctgc tgattctctg agttgtttaa 120
 tgtgggttcc agttaatccc gaactgggac tgcgacacc ctctgtcacc tcagccagga 180
 tgactcttct tccagatcat ttagaacagc acttccaatt gaaacataat acaagccata 240
 tttgtcattt ttaattttct ggcagcc 267

<210> 31929
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 31929
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 ttttcgtttt tccaatatta ttaaataatt attattaagt aatattttcc aataatatta 120
 aataatattt gttgggagas ccccgtttga gattctgctc ttactggaat gaatgcagtg 180
 tgccccac 189

<210> 31930
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 31930
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 ctcatgtgag tgctaccaa caggtgacct cagcagagaa ggattttaat aatcaagtgg 120
 atagcgtgac ctgttctgtg gatgccactt agcntctttc cccagctacc ccgaa 175

<210> 31931
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 31931
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 aaagaagact cgtgaccaa ttctcccaca gatttgtaat aatgtacata ttgaaaggac 120
 tgaaggctct cagacktggg aaagaaactt acccatttta aaattcagca ttgctcaact 180

tacctgactg ccggaccocct tcacccatga ttctatgcac tgtattgttg gaacatacat 240
 tgtgaaaaca ctgccctgcc taggcatacc ccctttccag aattaacttt ccatttaatt 300
 ctatagtttt tcaactgatgt aactttctag actggacacc c 341

<210> 31932
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 31932
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 grgtcaggct acatccctga gcaggaaagt ttacccatga agattgggtg gattttttgt 180
 ttgtttgttt tgttttgttt gttgtttgtt gtttgttttt ttgccactaa ttttagtatt 240
 cattctgcat tgctagataa aagctgaagt tactttatgt ttgtctttta atgcttcatt 300
 caatattgay atttgtagtt gagcggaggg t 331

<210> 31933
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 31933
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 tgtgtatcct tatagatttm mcattattta tttactttcc attattttct tctacattat 180
 catatttagt agctaacc 198

<210> 31934
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 31934
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 atgatgaagt atacttggct actagatgat cttagatttc tggccagcaa ttaatatcac 120
 tgrtgggtcta aagttattkn aatgttattc attttataga crkattgctc agcatagtga 180
 gtatgggctt gagagccaat ctgcctgac ttggctccag aagttaatta gttctgtgca 240
 cttgggcaag tttcttggct tttctgggcc tcagtttacc catctctaaa atgaagataa 300
 gagatgtacc tacattgtaa agttgttata agaattaaat gagttgcatg aacathnnag 360
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<210> 31935
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 31935
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 ctttcaactg tgaaaagtgt ctttttgac aaactatttt tccacctcca aaagaaatta 120
 acacatggga catttttaaag tcttttagtat aaagaaaatt tgtattcaat gtgttaagca 180
 ttaacatgta ttttatttgt gtatccactc cg 212

<210> 31936

<211> 420
 <212> DNA
 <213> Homo sapiens

<400> 31936
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 ccctcctctg tgtttctaca gctccttggc ttccctctgt cacacgttat tgagaacct 360
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<210> 31937
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 <212> DNA
 <213> Homo sapiens

<400> 31937
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 catacatgca gactgaaagg ctttattata gcttaatttc atttacttaa aagctttatt 120
 gramcacagt akgmctaaat cactatgcta ggaattacag ataacagggt aataaaacat 180
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 aggagtacag acaagggagc aagtaattct gcaaagagt cctatcaata tggacttgga 300
 tagcgatatt tgtgttgggt cttggagaat gattgagtt accaacaggg aagaagagga 360
 gatgcgtatt tcagcccagg gaatggccag atgaaagagm gaagataaaa tgtatattat 420
 gtttttgcaa attctgtagc tagatatagc tagtgtacaa aatgtatggt ttk 473

<210> 31938
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 31938
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 taarggcaaa attaaattcc ttgcagtttc caccattttt tcttaatgtg aataattggg 180
 aaagaaaaag gaatcataag gccggggcac gtgggtcata cctgtaatcc cagcactttg 240
 ggaggctgag gtgggtggatc acctgggggtc aggagtttga gaccagcctg gccaacacga 300
 tgaaaccccg tctctactaa aaacacaaaa attagccggg acct 344

<210> 31939
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 31939
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 aatcagttct ctcaacttct tgcttcttac ccctcttgct ccgccaatct tgctggatta 180
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<210> 31940

<211> 58
 <212> DNA
 <213> Homo sapiens

<400> 31940
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<210> 31941
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 31941
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 gtcagctttt tttaaaaaat aattttttaa ttacaaatgc aaatatagta ctaacttgag 120
 gagaaaataa cttctatttc aaggmaaaca ctattaaaaa ttttaagtgt ttctttccat 180
 ttgcaaataa ttccttcact cgggt 205

<210> 31942
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 31942
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 gagccgacaa accttgacc aaactgaccc ctgctgacaa ggctgccata agaaaagaat 180
 taaatgaatt taaaagctcc gagatggagg ttcatgaaga gagcaaa 227

<210> 31943
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 <212> DNA
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<400> 31943
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 ggtaaatatac taggagtggr atgtctgggw catatggtag ckgcatattt aacttttttt 180
 ctttttttga gatagggtct tgctccttca ctgaggctgg aatgcagttg tgtgatcatg 240
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 gggatcacag gtgcacacca ccatgcctgg ctattttttt 340

<210> 31944
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 <212> DNA
 <213> Homo sapiens

<400> 31944
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 aagcaagata ccaggaggat agaatggtaa gtgagcctag aaatagacta ttatatacat 120
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 atgttggaag gtgaaccagt tgggagtcac catctgatca accccaa 347

<210> 31945
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 31945
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 accgtttctt tactcatcat gtcatttgat tatagtccat cgggacagag aaatactacc 120

<210> 31946
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 31946
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 tgagcctgcg aggagagggg ctgggcaaag tgambgccct gggccgcaga gttcttatct 180
 aaaaaatggg aacagtagtg tcttcctaaa ggcaccatgg acttaaaatg aatggcacgt 240
 ttcctgggac ttatgtatat ttggttgctt atggggactt acgtatatatt ggttgctttt 300
 ggggacttat gtatatktgg ttgcttttg ggtctnaa 338

<210> 31947
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 31947
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 cacgctgccc tcgtgcccgc ggttcynbga agtcgaatgc caggcagagg cgac 174

<210> 31948
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 31948
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 atactctgca aaaggtggcc ttgttaatgg tktgctckct aaaacatctt tgttttttaa 180
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 aaattgggcc tc 252

<210> 31949
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 31949
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<210> 31950
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 <212> DNA
 <213> Homo sapiens

<400> 31950
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<210> 31951
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 <212> DNA
 <213> Homo sapiens

<400> 31951
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<210> 31952
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 31952
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 agggggagca accaggggaa aatgaagata tcacc 155

<210> 31953
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 31953
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 cagcrrtgrc taaaagagaa gcagaggagc tgatagaaat ngagattgat ggaatc 176

<210> 31954
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 31954
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 ggtggaaarg tattttttatc tcacagggat atgtagctat gtatttttact aattgtgaaa 180
 cactggaaat taatgatgca gacaacttgg tgtgggtcttt gaacagctct ctgcagtatt 240
 ttttttttyc ctgtwaccat aaattgtatt taagtgcctt ctttccacnw aagtkgtact 300
 aatagaaccg gtaactccca gccac 325

<210> 31955
 <211> 335
 <212> DNA

<213> Homo sapiens

<400> 31955

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atccagttta	aaaaccttct	gcacagcaaa	agaaacaatc	aacaaagtga	agagacaacc	180
cacagaatgt	gagaaaaatat	tcgcaaaacta	gccatctgac	aagggattaa	taaccagaat	240
attacaagct	ctaacagctc	tataggaaaa	acatctaata	atccgattta	aaatgggtaa	300
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<210> 31956

<211> 440

<212> DNA

<213> Homo sapiens

<400> 31956

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tagtaaggaa	gaggctctgg	acagatgaat	accttttctt	cggcttgtga	ggcttcccac	180
tatttattac	tgaactatta	tggttaatgaa	gatggacatt	ttaggaatca	ccaaacaata	240
taatagcctc	aagcaatata	ggccagactt	gdtcctaagc	acctgcctca	gcagttgtct	300
acattcagtt	gttttgcatt	aacgtctgcc	ttctttcctt	tacgggccat	gcctttaatg	360
ttgtccacat	taagcactgt	ggatcacgac	aggaaaaagg	ttggagcagt	gcttttcact	420
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<210> 31957

<211> 311

<212> DNA

<213> Homo sapiens

<400> 31957

tgactatata	ttttttcttt	aaagaaaaca	tttgagtgtt	taggaatcta	atatttcttc	60
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ttattatgtt	ttggaaaatt	acattaaatg	cattaagtac	ttcctgaatt	tcccagtgac	180
taattgaacc	cagctatagt	atttgcaaat	gccagacatt	tctctctcta	tttgcagata	240
aaaacaagaa	acttgaaagt	ttacatcctt	agaaggagaa	taacacacca	tagtcaacwm	300
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<210> 31958

<211> 274

<212> DNA

<213> Homo sapiens

<400> 31958

cattatcaca	tatcatcaga	gattgaggtt	tgaaagaaag	gaaatgagta	gatgtaacta	60
agaggtttga	gaaaggaatt	tcagcagagt	tattgaagga	gaagtcatga	gaggagragg	120
agarggagca	gtgaatgrag	tcgtgaagag	gtgtgtctt	gaaataactgt	atttttttcc	180
tccttttctt	ttctgaacat	tcttgtgctg	acctttcctc	tagtccaaca	gaggcattca	240
caattgcctg	tggaagaatta	ggattgccgc	aaca			274

<210> 31959

<211> 66

<212> DNA

<213> Homo sapiens

<400> 31959
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 acacgc 66

<210> 31960
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 31960
 agttcgtttg atattcagag actgattcaa cttagtggtt tttgcttttt tttttt 56

<210> 31961
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 31961
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 agaaaatctc ggggagttta aaaaaaatgc ctcaatttgg caatctacct cctctcccca 120
 mcccccaamct aaaaamwgaa aaaaagggtt tctaataaaa atctttaaaa atactgtcag 180
 tattttaaaa ttttcaacag tattataaaa acattgcatc tccccacca 229

<210> 31962
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 31962
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 tccctggctg ccttgagcag agtttccgtt aatgtctcta aggaacttat gctgtggcta 120
 tttgrttaaa ccctctacta tgactgacaa ggaaatggag tca 163

<210> 31963
 <211> 72
 <212> DNA
 <213> Homo sapiens

<400> 31963
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 atatatgtat gt 72

<210> 31964
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 31964
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 tatctctaga ctggacctca cttttgaact tactcttata tcttgc 106

<210> 31965
 <211> 432

<212> DNA
<213> Homo sapiens

<400> 31965
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tgggcarcat tgtaagggtt tggaagtcgt gagctcccag gtctctgctt gcctttcccc 180
caagcctcat ccacccgtgc cacatcaggg gagctaacad cactatacgc tcatgtgagc 240
atcccccatg aagtggcgct gaaagatcac gatagcacag ttccatgatg tgaaatacca 300
caagtctgca atttttcggt cttgagagtg tcgctgggct tagaggatgg aaatctttca 360
gtaattatac cagtttgtat tcgtctcaca tttgggrccm rgntacaaat ccgatccact 420
ctttctccct gt 432

<210> 31966
<211> 450
<212> DNA
<213> Homo sapiens

<400> 31966
ctttagagttt tctgcctgcc taatactgga ggcctcacct tctgtcccca tgtgaaaaag 60
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tttaaccttg atgatgtatt ttaaaaaatat atttcttaaa acttttccag cacttttata 240
tgtttgcatg gggagggtatt tcttctgtat tcaacttagt ccttttcatt cctggaarnt 300
tcccacaagc acctgaaaca tacaaatgtg tcaatatatt gttttgtaag ggttgtcctt 360
ctcagtattt taatttcaat ttcttccaaa attttggctc taaaatagct ttggaaaaca 420
aagagaatat attgtagaat aattctgagt 450

<210> 31967
<211> 481
<212> DNA
<213> Homo sapiens

<400> 31967
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acaggaagaa gtcctggaga tttatcctgg aaatctttgt cagagaagag actggggtat 180
taaactgatg gatgaggcca ggcacggtgg ctcatgcctg taatcccagc actttgagag 240
gctgagggtg gtggatcact tgaggtcagg agttcaagac cagcctggcc aacatggcad 300
daccctgtct ctactaaaaa tacaaaaatt agccaggat ggtggcccat gcctgtagtc 360
ccagctactc gggagtctga ggcattgagaa ttgcttgaac ctgggagagg gaggttgacg 420
cragttgcga ttataccact gcactccagc ctgggtgaca gagcgagact ctgtctacat 480
a 481

<210> 31968
<211> 474
<212> DNA
<213> Homo sapiens

<400> 31968
ctaactctct gatctctgtt ttattctctc ttcatgtaaa ttgtcccttt ccttgacttt 60
ttccatagat caaatccagc agggatcaag ctttggctga acattgtctt gctgcaactaa 120
ccgaatgtgc tgctagcgga gatggaaata tcctggctct tgcagtggat gcactctggg 180
caaggtgaag atatataagt ttggagggtt ccaaagacta aaagttgacc agtttagctt 240

ttcagagtat	acttaaataa	aagggttgatc	ctgtaaacca	tgtgagccca	aaagaaaata	300
atggcatcca	tcgtaaattt	aattcttatc	attttaaaat	ttctgtattt	aaaacattca	360
tgttttgagt	gaactgtatt	aataattgtg	tattttactg	tggctgagga	attttaaaac	420
tattgaaatg	aatccatttc	actgattcgc	aggttgaaat	gtgttgact	actc	474

<210> 31969

<211> 176

<212> DNA

<213> Homo sapiens

<400> 31969

tatactgtgc	aaaaagcaat	cgtgagacct	ggagtgaaac	tttaaaaatg	ttgctagaag	60
ggccgggcac	ggtggttcat	gcctgtagtc	ccagaacttt	gggaggtgga	ggcgggcgga	120
tcatttgaag	tcaggagttc	gaaccagccc	ggccaacatg	gtgaaacctc	atctgt	176

<210> 31970

<211> 350

<212> DNA

<213> Homo sapiens

<400> 31970

caagaatttt	ggtgggcac	gaatcctaca	taatgaaaaa	gaaaaacaga	ccatttaaaa	60
actcagacaa	gattatattt	aatatattaa	ttactaaaaa	ggcacaagat	tacactgaac	120
atattagcta	ctaaaaaggc	actgctaaga	cattcaagca	aatagctatt	acacactact	180
gcagatttta	caggtttcta	attctaacat	atgtttgaaa	aatccgtgag	tattccaaaa	240
tatatattaat	aatggaatat	ctgcattaat	ataccatcca	tgtgttttta	ccatttgcct	300
taatattgaa	tatactgttt	acctcacact	aaaaagaaaa	ccagaagcct		350

<210> 31971

<211> 448

<212> DNA

<213> Homo sapiens

<400> 31971

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cagtgaagtg	tgtatacgga	ctcggctaga	ggtggagctg	agtcactgtg	catttctggg	120
ctttaaaatg	ttagatttaa	gtgatttttt	aaaatgtaga	ggcccaacat	ctctagccat	180
cgtcatagtt	taaaatcagt	taaagcatta	taaagccctc	tcacttagta	gctgtgtgac	240
ctcgaacaag	tcacttttcc	tcatgtacaa	aaagaatagt	ctgggcacct	gtctcaaaag	300
gtggttgtag	ggattaaatg	agataggcaa	ttaaagaaaa	aagaaagctc	gaactctttt	360
cagggactcc	gaattgagwg	attgccagtc	aggccaaatt	ctgggtgatg	tgcggtagac	420
tgtgaacaaa	tgaggaacaa	ggatagca				448

<210> 31972

<211> 232

<212> DNA

<213> Homo sapiens

<400> 31972

cttgcttgta	aacataagca	tgtattatta	cctaggcttt	gaatttcaaa	atacgggtgta	60
aactactcat	ggtaatatag	atcttggttag	acaaacgttc	atgtaaaaaa	tgatctgcaa	120
gcattactgt	ataaagaaaa	ataacctgga	ttacttgaat	agaatggttt	acagtgtcta	180
gttaaagttg	atacttcttc	tacattgcag	tatttagggtt	tttttttttt	tt	232

<210> 31973
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 31973
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 acagctgagc ttcacccgga tatatagacc agctctcccc acgtcccagc accctgcctg 120
 gcagcgcaat ggaaccgagg atggggctgc aggacgatac cagcacttca ggaactgtga 180
 cagaatcttg ctccgctgcc aaggctggag tgcactgggt caatctcggc tcaactgcaa 240
 ctctgcctcc cagac 255

<210> 31974
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 31974
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 cttaactag ttcaagtcac atggccttct tgttatagtg cttatcttca gctgcatatt 120
 ttagttatat cttccaataa gtttgggaag agttgtcacc agcaac 166

<210> 31975
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 31975
 cacacaatta atattaatgg ataactaatt ggagtaatga ttattagcta ctgaatgctg 60
 ataatagaag tcatatttaa atgcttactt agttacttaa gttagtcaag gactctgaaa 120
 aaaataaggt ttaaagttaa cagtgtcatc agtcattccc agttatcttc ttatttaaga 180
 acaagatggg aatgcagttg cctttgttta tttaaataga aaaaattaaa tcaggataaa 240
 atgacccaac tacagtgatg tatttggaac cactacttct tatctttcaa tatagacttt 300
 tatttctgga ttaccataga tggaaatagt attactggac atatgttggt aggtattttac 360
 ttctgtgttt ttctttttcc ctttaatttcg aatacttcta gctacaaaaa ttgtcataaa 420
 actttgcaac acactatacc tccccac 447

<210> 31976
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 31976
 tgatccgccc gccttggcct cccaaagtgc tgagattaca ggcgtgagcc actgtacatg 60
 gccagtacag tctttattaa ttagacaaac atctggcccc tgttggcata atgcctttta 120
 aaaatataag atagagcctt tttctaagat aaaattactt atgtcaagag cactctatac 180
 agttccctt tctgcacatt ctttcagca tct 213

<210> 31977
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 31977

cagccagctt	gtgggtcccat	tattctttat	attgtttttc	ttagcacacg	ctagcaaaga	60
tagatgccta	ggacttttct	tggctattgg	agtttataga	aaaaaagttc	tttgttgaar	120
gktagtcctc	caccagaata	atacaccctt	tttcccctta	gtagaagtcc	aatgtttaat	180
cttgctatca	tatatgtatg	aatgccca				208

<210> 31978

<211> 317

<212> DNA

<213> Homo sapiens

<400> 31978

acactcagaa	caaaggggaag	gagagaattg	gctcttgaga	aacagcgcta	agaatggcag	60
cagaatgctc	cgtcactata	tgcagaaaca	agacaacttg	aagctaaatg	gaagcccttg	120
cagagtcaac	aggtccagat	tcacagtgca	cgccctgagc	tacagcccct	ccaaaaggca	180
tcttccccca	gagcctcaat	gccaagcaag	gagccgtcaa	gagtctgcct	tggttgtttt	240
gttcttttta	caaaccgtac	agatatacaa	ttgataactc	aggatttcta	gtcaataacc	300
agatagttaa	caccatc					317

<210> 31979

<211> 376

<212> DNA

<213> Homo sapiens

<400> 31979

cataaaaaagg	catatataga	aataaataga	aaagctgctg	agtctatggt	aaaattttat	60
acctgcttcc	cagtattgat	ggatggaaat	caactctcaa	taagtatggc	tcctgaaaac	120
aatgawtata	aaagatgagg	aagctatatt	tataaccttg	gtaaaagaaa	atgaccacga	180
ggcaaacata	gatacaatct	atgatcgatt	tgtacatctt	gataatttac	cggaagatgg	240
acttcagtgt	gtactttgtg	ttggacttca	gtttggaaaa	gtggatcacc	atgtattcat	300
aagtaataga	aataaggtaa	caagttccct	cataanntag	ctattcattc	tgtaaagaat	360
gtataataac	hstggg					376

<210> 31980

<211> 267

<212> DNA

<213> Homo sapiens

<400> 31980

gatcttttaga	aaagatatatt	agtgatttaa	ggagaaaaat	acttattcct	cctatcatta	60
ctcctaaata	aagagtagat	caaaatttgc	ttagggcctg	ccctctccag	aatagcactg	120
gracagaagt	gctakatttc	ctggattcca	caccatagc	agaaattgtk	aatcatkatk	180
gatattgtkt	ctcacaggtt	ctggttatag	tctcagaatc	katttcatca	kagtactgga	240
gtkacatact	attaatacta	acccaat				267

<210> 31981

<211> 472

<212> DNA

<213> Homo sapiens

<400> 31981

tattgtttct	aatccttatt	tatcctagtc	ttagagagtt	tatttggtt	acgttcttta	60
aaaagtaatg	tatgagcaac	ttcagaaaaa	ctggcttttag	atagtttgta	ggccaatags	120
catkgggaag	catttttgta	aggaaatcat	tttataaaga	ttatttttaa	aaaaaaagcc	180
tgtctgggtc	ctcagtaaaa	tttaagactt	attcataaaa	attcatccta	taaaaattac	240

tctaaacaag	ggcttggatt	tttaaaaact	ttataattag	cttatattaa	tggattcata	300
gtttaccctt	tttaggggtt	tttctatgtg	tgcatttttc	gagtttgctt	atatacgtaa	360
catgttgang	ttctaaattt	atgtgctttt	taaaccaccc	agtagacaaa	cgaggagtgt	420
atattttctg	atatgtaaat	tgaatttata	gtacgcattt	ctaatgaaag	ca	472

<210> 31982
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 31982						
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tgacattttt	gtgttcctta	agcccagtc	tgaagggccc	tcgtgamtgg	gcctcatggc	120
caaacarctt	gtkacaaaaa	gaghtaggg	cccagactgc	gccgaagctt	catgagaccg	180
atcctcgtct	gtggacagag	gagtagctga	ctctgaagcc	caggctgttg	ctatcbagtc	240
tggtggtgaa	tcctccacag	tctgggtgtg	ccttgacatt	attggttcac	caacagagca	300
gactnvktca	gccatcaata	ataattcaac	gcacagcatg	gaggcctacg	catgggccac	360
agaggatatg	taatgactta	agataccaac	tccacattct	gtggtaagag	mtgaagat	418

<210> 31983
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 31983						
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tgcccaccta	aaagcatact	cctgtcccac	tctagcacc	tggagtatgs	acccggatca	120
tcaccagca	tctgtcacct	gaccttgaag	aagctgagaa	gcagcagctt	ccccatggga	180
cctgtcctgg	agttcttttg	ttctggtaag	tccagaactc	tccaccggcc	gccgtttatt	240
ctccaccacc	aagtagtgat	gtgtggggaa	aatgctttgg	attttaaggt	atagcaactg	300
nttcataaaa	ccattatgta	tctgctttct	tctttaatcc	attgcttgga	acccttagct	360
gcaattagaa	tcacctgggg	agctttttaa	acataaactg	ccctgtccca	gtccaagaac	420
gatga						425

<210> 31984
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 31984						
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atctcttcag	ctttgttttg	agacagtctc	tttctgccac	ccaggctgga	gtgsaatggg	120
gsaatctttg	gatcactgta	accgctgcct	ccagggttca	aacgattctc	ctgcctcagc	180
ttcccaggta	gctgggatta	caggcgtctg	ccaccwcgcc	cagctaattt	ttgtattttt	240
agtagagacg	gtttcaccac	gtttgcccaa	gctggtcccg	aactcctgac	ctcaggtaat	300
ccacctgc						308

<210> 31985
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 31985						
aataaatata	aataaaactgc	acaaggatta	gaaaaggaga	caagatccag	aagggtattct	60

ttaagaacgt	ttttatatta	acaaccttgt	accaatgaaa	tctgttgtat	acaaaaagga	120
agcaggaggc	caggtgtgat	ggctcatgct	tgtaatccga	gcactttggg	ggctgagaca	180
ggtggatcac	ttgaggtcag	garttcgaga	ccagcctggc	caacatagtg	aaacctcgtc	240
tctactaraa	atacaaaaaat	tagctgggct	tgatggcaca	tccctgtaat	cccagctact	300
agtgaggctg	aggcaggaga	atcgcttgaa	cccaggaggc	ggagggttgca	gttagccaag	360
attgt						365

<210> 31986
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 31986						
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caactgccct	ccttccgcgc	cggcggagcg	attaaagtga	agaaacaatg	gccagcaatc	120
acaaatcttc	agcagctcgc	cctgtttcaa	gaggtggagt	tgggttaaca	ggaaggcctc	180
cttctgggat	acgacccta	tcaggaaata	ttcgagtggc	aactgcaatg	ccacctggga	240
cagct						245

<210> 31987
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 31987						
cgtaataact	ttttgtggaa	tctaataata	tcacagtatg	gacacaaaat	agtttggatt	60
tttttaaat	attaatttca	accatgttcc	atcaaatttc	tctctctcca	caactaatga	120
taccttgccc	g					131

<210> 31988
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 31988						
aaaatagaat	acatatataa	attttgcagg	aaaaaagtat	gatagaaaaa	tgtgcctagt	60
ataagaattt	ctgtcaattc	agtaagtaaa	atctagcaat	attagacaaa	ataaatggta	120
ttaacatttg	tatcttctct	tgacagtttt	aattgataaa	gaccagagtc	caaaatggaa	180
accagctgat	ctaaaagaag	ttactgagga	a			211

<210> 31989
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 31989						
cagtatgtat	cttaactgac	ttaaaatgtg	ggatgatcag	atacgtgcct	cctaattgtaa	60
tccagtaaga	agtataaacc	accacctgtg	gaatgttctt	gctaaagaaa	ttgaatctgg	120
atctatccaa	gcttctagat	ctactgacca	gttcacagga	aatatgaggg	gtaaaggaat	180
acgttaaaat	gacacttggg	cacttagata	aattacctag	tttcttttaa	taaattaata	240
aagaagcact	taaaaagga	acga				264

<210> 31990
 <211> 445

<212> DNA

<213> Homo sapiens

<400> 31990

ttgtcttggc	tatacgggat	cttttttggg	cccatatgaa	atttaagtag	cttttcttaa	60
ttctgtgaag	gaagtcaatg	gtagcttgat	gggaatagca	ttgaatctat	aaattacttt	120
gggccgtatg	gcatttgggc	aatattgatt	cttcctattc	atgagcatgg	aatgtttttc	180
catttgttca	tgtcctctct	tattttgttg	agcagtggtt	tgtagttctc	cttgaagggg	240
ttcttcacat	cccttgtaag	ttgtattccc	aggtatttta	ttctctttgt	agcaattttg	300
aatgggagtt	cactcatgat	ttggctctct	ttttgtctat	tattggtgta	taggaatgct	360
tgtgattttt	gcacattgac	tttatatcct	gggactttgc	tgaagttgct	tatcagctta	420
aggagttttt	gggctgagac	gacgg				445

<210> 31991

<211> 210

<212> DNA

<213> Homo sapiens

<400> 31991

tccttctatt	atataaagcc	accaagattt	aatttcttct	ataagagcaa	aatttatata	60
aagcaaattt	ggtcaagtaa	aaatgcttat	tgaactcatt	ggtagaaaact	atttcattgt	120
tggktatgtg	gramcaggat	aataaggtgc	aataactctc	tgaattaaag	tgaaacttta	180
attggaaatg	gaagaatata	tggcctgcac				210

<210> 31992

<211> 124

<212> DNA

<213> Homo sapiens

<400> 31992

gtactggggc	ggttcagtcg	cctcagccgc	ggtgtgaggg	agcgggagtc	ttccttagct	60
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caca						124

<210> 31993

<211> 346

<212> DNA

<213> Homo sapiens

<400> 31993

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tattgatctc	tatttgcttg	acggctgccc	ttcttaagat	catgaattac	aatatattca	120
aatttgtttt	ttctgaaamc	aaggaagaac	agatgaggca	gtggagtgca	ctgaaggtag	180
tgtaagtctt	tggttngaaa	ccaaatctcc	tgcatgctag	ttactcttgg	gattggtgga	240
gtgcttttag	cctactgagt	gcagtgatgg	aaaaaatact	agctgtaaga	aatgattttg	300
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<210> 31994

<211> 97

<212> DNA

<213> Homo sapiens

<400> 31994

gaggrracaa	atgaccggga	gactcttgaa	ttgttcttca	agtatatgtg	tgtctcagtg	60
------------	------------	------------	------------	------------	------------	----

gcaaagaatg gtgacccact ggtatctatt tccatct

97

<210> 31995

<211> 447

<212> DNA

<213> Homo sapiens

<400> 31995

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ttcaagtagg	ccccagggtc	tggtgttccc	ctctttgtgt	ccatgtgttc	tctttattta	180
gctccaactt	ataagtgaga	acatgcagta	tttgTTTTT	atttctgtgt	tagtttgcta	240
aggatgatgg	cctccagctc	cattcatgtt	cctgcaaagg	acatggtttc	attctTTTT	300
tttatcgctg	tttagtattt	tgtagtgtat	atgtaccata	ttttctttat	ccagtctagc	360
attgatggac	atttaggtag	attccatgtc	tttgctactg	ggactagtgc	aatgaacata	420
catgtgcata	tgtccttaca	gtacaat				447

<210> 31996

<211> 160

<212> DNA

<213> Homo sapiens

<400> 31996

taaattttta	gggtctaaaa	ttaatagggg	gctgggtgca	gtggcacatg	tctgtaatcc	60
cagtgcTTTg	ggaggctgac	gcgagaggat	ctctagagcc	caggaattca	agtttaacat	120
gagcagcaac	attagcaaga	ccccgtttta	aaaaaaaaaa			160

<210> 31997

<211> 147

<212> DNA

<213> Homo sapiens

<400> 31997

taaatttgcc	ttttgcgaga	atgacatatg	aatgaatcat	acagcacata	gtctgagtat	60
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<210> 31998

<211> 215

<212> DNA

<213> Homo sapiens

<400> 31998

gtttttatct	ttctaggaat	gtgtccattt	tatctgagtt	gtttaatttg	ttggcatata	60
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tctgattcta	gtaatgtgag	tcttctctct	ktttttbcta	ggccacacta	gctggatatt	180
agtcagtttt	gttgactttc	caaagatgag	cgtat			215

<210> 31999

<211> 376

<212> DNA

<213> Homo sapiens

<400> 31999

ctaacaatc	ctgcaagtat	actaactcac	aaatagtaga	tagtacaacc	agaaggactt	60
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cawttttttt	tbcatttaat	attaagtctt	tttgtggctg	aacatcccct	tgrtatttat	180
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tctgtgtata	gaaacttaag	gagtcttccc	attatatattg	tgtagcagcc	ccttctctan	300
mgtcwacctg	tctwctgata	tttcttaata	gaaagatttc	aragttaaaa	tcagggrctta	360
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<210> 32000

<211> 174

<212> DNA

<213> Homo sapiens

<400> 32000

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aacagttaca	aaaagcttat	gggtgtttta	gatactttca	accagttttg	tttggaaggt	120
tttyccccc	ttcaaatagt	cattattgtc	ttttcttttc	tttttttttt	tttt	174

<210> 32001

<211> 144

<212> DNA

<213> Homo sapiens

<400> 32001

acacatcttt	tgagccccaa	tttggccatg	agttgccctt	agattttttt	agttatgtga	60
gccaatacat	ttcctaaaac	aggtaaaatt	atgttttttag	acactgataa	ccaaaacagg	120
tcraamctaa	tgcttacggc	aaac				144

<210> 32002

<211> 245

<212> DNA

<213> Homo sapiens

<400> 32002

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ttaatttcct	yckgtgaaat	aaagtcta	accatatttt	ttttgttact	taaattgttt	180
cagcttttagc	cattggagct	tttcaagtgg	gctcctgtat	ttttttttga	catgctccac	240
cctct						245

<210> 32003

<211> 148

<212> DNA

<213> Homo sapiens

<400> 32003

aatatctttt	tattaacttg	ttcagtnatg	tatcaagagt	ggcaaattac	aatctcacat	60
tctcccaaaa	gtggaaaaga	atccaaatgt	ccaccaactc	ctacacggat	aaataaagtg	120
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<210> 32004

<211> 275

<212> DNA

<213> Homo sapiens

<400> 32004

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atthtgktyc	ccttggttga	atgccacaac	ctgattttctc	ctttcttagg	atgccacagg	180
tatagtatac	tactttctat	ttatataaat	tattttaacat	taagcttaaa	taaattgggt	240
gaaaatgttt	agctagaaaa	aataaaatgg	ggcgt			275

<210> 32005

<211> 186

<212> DNA

<213> Homo sapiens

<400> 32005

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tttaaaatga	aaactagcag	gcaaacacct	aaataatcga	aaattaccaa	gaacaacaac	180
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<210> 32006

<211> 262

<212> DNA

<213> Homo sapiens

<400> 32006

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tcgagagams	ggggcggggg	cagcccaccr	atgctggaac	ccgabggghg	kgcgaggaa	180
gctggactgg	gagcaggacc	cttctcgctt	cggacaagac	tccttgctctg	gggaccagc	240
scgacttcat	tgtagctggg	tc				262

<210> 32007

<211> 450

<212> DNA

<213> Homo sapiens

<400> 32007

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tgtaagcagg	tgaaataaat	gatggaraag	aayagccagt	aaggccacag	catggcactc	180
attgaaggtt	gcttttctgt	cagtcaagac	tgaagattaa	aggagatgag	aaactgagac	240
tcagaaatgg	actgtgactt	gctctcacag	agctcgtgat	ggggctggat	gtgtctatat	300
ttaakkaata	tcagttataa	aaacttctgg	gtatttgaac	ttcctaattt	gcttggattt	360
tgaataaaaag	gttttttgta	taatcgttat	caactgtgaa	aggsataaaa	taatgttaat	420
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<210> 32008

<211> 370

<212> DNA

<213> Homo sapiens

<400> 32008

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gtggctgggg	cggtgtccgg	ggagccgctg	gtgcactggg	gcaccagca	gttgcggaag	120

actttcggcc tggatgtcag cgaggagatc attcagtagc ttttgtcatt gagagtgtg 180
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 tcatagaaga acttataacc aaatggcaaa agaattgatca ggagtttata tcggatcctt 300
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 agcggggtac 370

<210> 32009
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 32009
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 cgcgtgtgtg ttttcttctt ctctctctcc tctccccgag ttgcctcctt tctccgggtg 120
 ccgtactgcc tttttttccc ctctttcatt ctttctctcc gtctttttctc ccgcc 176

<210> 32010
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 32010
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 gggcaagcgc tctgtctctt tctctctgatg tgtgagatcc ctatggtgag ctcacctttg 180
 acagagctgt ggccagcggc tgccaacggg gctgtgactc tgaggacccc ctggatcctg 240
 cccatgtatc ctacagcctt tctctcggcc gcccmnrcgc cctgcctgag atcagaccct 300
 acattaatat caccatcctg aagggtgaca aaggggacyw ggccaatgg gcctgccagg 360
 gtacatgggc a 371

<210> 32011
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 32011
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 agtgtcsatt gattgatgaa tggataagca aaatgtggta cacacakgca atggaatatt 180
 attcagcctt agaaagaaaag gacattctga cacatgctac agtgtaaata aaccttgaag 240
 acattatgct aaatgaaagt cacaaaagga caa 273

<210> 32012
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 32012
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 aatactgaaa ataaagatgc aagtattggc catccaattt catggccccc ttgctctaaa 120
 atcccagatc aagawctgta ttctagaacc ccaagttaag accacctgat ctaaaactga 180
 gaatcttggtt ttcacttaat caggctggca tttttttccg cgtaatcacc caccaga 238

<210> 32013

<211> 99
<212> DNA
<213> Homo sapiens

<400> 32013
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wtcaacaagg gacagtarac tgtgtgttta cagccaaaa 99

<210> 32014
<211> 414
<212> DNA
<213> Homo sapiens

<400> 32014
caaactaagt atggaacttc atataccaaa gggacttttt cccctaataa caactgccta 60
actaccatat gctatattaa tactgggcag ttaaaaatat aaaacgaaag caaaactata 120
atatacctata agagtatact tatgacttcc agaaaagatg aaattattca acaaaataca 180
aaagtgcata ctgcagaggt aaagtttaaa atgcattaag atgactatca gaaattctga 240
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tttgaataac acataagcag caaaggatta atcaatatcc aaaaatarat aaaaagaatc 360
ttataatttg caagagraag aataactcac ttgaaataat agggaaaaat ccta 414

<210> 32015
<211> 393
<212> DNA
<213> Homo sapiens

<400> 32015
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acaaaatata tcagatatat taccaaaaca catggagttc catacataat atggaatttg 120
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ttttttagtt gttttccaaa tgcagagttt aaggactttc taacatggct agtattactt 360
ccaaaaagta taacaagcag cagtcacaca tga 393

<210> 32016
<211> 475
<212> DNA
<213> Homo sapiens

<400> 32016
cataattctc acttccttat ttgtcaactt tcctaacaga ttagaccccc ccaccaccac 60
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tgcacataca catgtaactt gtgtcaacag cagctgtttc catcttcagg agggaaactga 180
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caactcaagt ttattgctta ataaaattaa tgatgataga taacagtcac gactaatatt 420
aactgcagtc accaagtgtc aggcagcaat cgaagtctct caaatggatc aagat 475

<210> 32017
<211> 367
<212> DNA

<213> Homo sapiens

<400> 32017

aagtgccaat	ccttttctgc	ttgagcagaa	gagcagacca	aagagctcat	tgactcaagg	60
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aggcctggaa	rgcaatgggg	cccatacttg	gcctctccan	ggtgagttgt	gacccaagtg	180
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cagtgttggt	gatttcattt	cttataatct	ccttaggagc	acagggtttg	gtttgtgcct	300
tttttgatc	aggttccctg	cattgcagct	gctataatta	anactattaa	caacaacaca	360
gacccac						367

<210> 32018

<211> 205

<212> DNA

<213> Homo sapiens

<400> 32018

ttgttgtttt	gttttgattt	taatttttat	ccaagcaatg	caagcataga	gtttaaaaat	60
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agrtgcaatt	ccctggtaac	attttakgcc	attcaggagt	tccagaccag	cctgggaaac	180
atagcaagac	cctgtctcaa	acaac				205

<210> 32019

<211> 440

<212> DNA

<213> Homo sapiens

<400> 32019

cttaaatgcc	tgcatgggtgc	cttttttagga	taaggtataa	ccatacattt	ttggtggaag	60
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agrgsagttg	ggamggbcna	gagctttttg	gttctgattt	acaaattaat	gaagtagttt	180
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ttcttttack	tctgcttggt	aacttagatt	aaactgagca	ttgtttttct	gtcacaaatg	360
ttttccttat	gacactgggt	tcgacatgta	aaatgtgttt	gaaaacctgc	tttgtagatg	420
cagagagaag	ctataggaaa					440

<210> 32020

<211> 377

<212> DNA

<213> Homo sapiens

<400> 32020

cacgaaacat	tcttgaccaa	gaaaaaagat	aaggtcattg	agataggaag	acagaggaaa	60
agcctcttgc	tggtgtttct	tcccaagaaa	ggagaagccc	tgccagggag	aagtcagtag	120
tattgctgam	stcactgtat	cactgagtg	aggggtgtgt	agcaaggagg	aggcagggga	180
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gtttgaggaa	gggcccac	aattcatttg	gagagcttgg	ccaaatactt	tctcattaaa	300
tcagcaccta	aacttgatga	acttaaagtt	tgtttattag	agthkaaaac	attaaaagat	360
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<210> 32021

<211> 443

<212> DNA

<213> Homo sapiens

<400> 32021

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agaaattatt cattgtcatt gtcattattc ttaattagaa tattaattaa aaaataatga      60
tcttactgaa agcatgttag agcbataatt ttactcattg aattccattt tgctcaacct      120
aaaacactga aatgtttacc tacaaaatat ggcaatttat aagctaattt tcttctacct      180
aatacatatn dttaggttagc atttttacaa attgataggc attttaaagt caccaattaa      240
aaggcaaaac ttgtcagatt ggataaaaaca agacccaact atgatggcca taaggcatga      300
tggcattgca ctttaaatat aaatacacaa ataagttaaa aggaaaatga tagaaaaaga      360
tgtatcatgc taacactagc caaaagaaag ctggtgtagc tatattaaat attgagcaaa      420
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<210> 32022

<211> 59

<212> DNA

<213> Homo sapiens

<400> 32022

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gggacgygsr aaaatgacta sgcgtcactc rtgatgtcgc gcatccgrta ggccctttt      59

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<210> 32023

<211> 117

<212> DNA

<213> Homo sapiens

<400> 32023

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ctccccgcc attatggtag cacaatgtag atagaattat cctgtaagcg tasagcagat      60
tctactacat acccctggag tgtccacctc aggcctacat caacctcatc tcacctt      117

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<210> 32024

<211> 140

<212> DNA

<213> Homo sapiens

<400> 32024

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cctaacattc tccaagatag ccatgagatt tttttgttt ttgtttgttt gtttgtttgt      60
ttgtttgaga tggagtcttg cactgttgcc caggcaggag tgcagtggcg cgatctcggc      120
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<210> 32025

<211> 285

<212> DNA

<213> Homo sapiens

<400> 32025

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ccttttaata tacctataac ttgaatattt acttttaatt aagctgagca ctctttaaga      60
aaatcccttt aaatcccttg ttacttgact ttagccacac caagcagtta agattttcgg      120
ctttttgaac ttacagaaa gtacccttat aggtgaaacc aacgagcctt aattagggtta      180
tgatttaatt acgagtgtac aaggtatttt taaaggagtg atagacagct tttgaaactg      240
tcattgcaaa actgtcactg agacagtcaa agagatccca cccgt                                         285

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<210> 32026

<211> 427

<212> DNA

<213> Homo sapiens

<400> 32026

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ttagsacawk	ggattgcctg	tmacgtctaa	tgtgghtgct	gcctcgtgtc	acatctgaaa	180
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aacagggtatt	tgcataggaa	tcagaggagt	taatcttgct	tcttctcaca	ggtttgaatc	300
ttcagacaaa	cttctgggag	gactcgggtc	cwghctcgca	gcagatgttc	cctgtsactc	360
agtaggcata	tggctaccca	ttctccccag	aaatctcacc	agtgtgctca	ctgtgagaga	420
cgttcaa						427

<210> 32027

<211> 217

<212> DNA

<213> Homo sapiens

<400> 32027

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gacaagaagt	cgtaggggtg	gaggggtgaa	gctgggaaac	ccacaggagg	caaccacact	120
artttagayc	ttctggtgac	cccacttctc	gctgctcatg	ccgctgggac	tggggcggcg	180
gaaaaaggcg	ccccctctag	tggaraatga	ggagaca			217

<210> 32028

<211> 250

<212> DNA

<213> Homo sapiens

<400> 32028

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gaaagctttg	acctaaaata	tatatgtttc	agaaaaccta	gaacaaaaag	taaaatgrta	120
awttaatttt	caaaccacac	caacaaacag	aactgtcctt	aaagcttctc	cttttagaag	180
agtttcagtt	aataaataaa	tgtagaagga	attagagaaa	tacaaagttg	ccattagaac	240
ccaggaggtt						250

<210> 32029

<211> 185

<212> DNA

<213> Homo sapiens

<400> 32029

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tactccagac	ctataaggaa	atgttttagt	tttatgaaaa	atgacaagtc	gatgggttaa	120
cttccccrkg	tctttggkgc	tttggcccta	atagcactgg	acaacaccac	gaccacatgg	180
aagct						185

<210> 32030

<211> 293

<212> DNA

<213> Homo sapiens

<400> 32030

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ggcctggcta	gatgctgagt	gactcctaac	acccagtc	ccattgggtt	cctcttggtg	120

cacattgggc	tcattcctgtg	tgcgccagtg	tgtactaggg	scgggggwcc	gagcccyckg	180
akgctgccct	gcacccattt	ccccgtcctg	tgcaccagcc	cgtgtggcag	ctcggtctcag	240
aaccctgcag	tggccaccct	gccctcagca	cagactcagc	tcctcagacc	cgc	293

<210> 32031
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 32031						
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<210> 32032
 <211> 355
 <212> DNA
 <213> Homo sapiens

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ggatgctgac	agacagcacc	aagaagtaat	tgcaatttat	cggacacacc	ttcttagtgc	180
tgacacaggta	aagaactact	tctccttttg	aaagaatatt	gcttttagaga	taataatttt	240
tattttcaaa	taaatttatg	tgaaagtaat	tgatgtttta	agtagctgca	ccccctatgc	300
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 <212> DNA
 <213> Homo sapiens

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gccttgattg	ctgccattt	ctctaggcag	tgaagaaagg	cagctaaagt	gctgtctctg	240
attatcaaat	gccatatatg	tgagtatacc	tgtgtgtgtt	gtcatgctgt	tgtgaatact	300
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<210> 32034
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 32034						
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<210> 32035
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 32035

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agaaaacagt	tttattttaca	ctagtataaa	aaagaataat	tttaggaataa	atttaacctc	180
tacagacctg	tgccacttcc	agtatatcgc	aagatcttca	acccagttgc	ttaagggag	240
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<210> 32036

<211> 473

<212> DNA

<213> Homo sapiens

<400> 32036

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gctgtgctta	gtaccatggc	aatgatctca	aactggatgt	cccaaactct	cccatccttg	180
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gagcctccat	tgctgagatc	ctcttcccta	cctgcatgaa	gtvrcctggc	aggaaggatg	300
taaaagagat	ttggagttat	aaagaaaagca	agagatagac	atcaataaac	aattacaaaa	360
cataaactta	tattatctaa	tattttactga	gccaattttt	ttttcaatgt	ccaagtacca	420
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<210> 32037

<211> 409

<212> DNA

<213> Homo sapiens

<400> 32037

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ggaccggctg	ttgggggaaa	aaaagtgtta	gccgtctctc	ccggatctgc	aagggggaaa	180
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gggcccgggc	tggcgtgttt	tgatcgtttt	atgagctctt	ttcacaactg	aaagaagaaa	360
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<210> 32038

<211> 282

<212> DNA

<213> Homo sapiens

<400> 32038

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aacagggtgt	gctaccacc	cctccctaag	ccaatgggca	ggaaaaagaa	tttcctgaac	180
agatctcctc	gctgcttaaa	cacactgtc	cggtgaacag	tccagaccag	gcaaagtttg	240
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<210> 32039

<211> 477

<212> DNA

<213> Homo sapiens

<400> 32039

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atatccacta	tgctttactg	ataggtatta	ttgtagcagt	actaataagt	tgaattacga	180
aaagtcattt	tatgtaataa	atgcagggac	cattataata	tttaacacac	tagttttctc	240
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caaaaacaaa	acaaaaaccc	cagcawmkkt	ggaaagggat	ttagagatct	gctgccaaaag	360
gaagactttg	taaaaggcag	ttggagggtt	tacatgtatt	agtgccaaat	tattgggttg	420
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<210> 32040

<211> 214

<212> DNA

<213> Homo sapiens

<400> 32040

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cacacagcac	acaaacacac	agttgtaata	aactggtcac	tatttatctt	ccattgagtt	180
gctgacctta	gaagatgtta	tcctcccatc	cccc			214

<210> 32041

<211> 402

<212> DNA

<213> Homo sapiens

<400> 32041

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ctcatttaaa	ggatctatat	tctatagttc	agttctgcat	ttttaatgct	ttctatatgt	180
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taacacttcc	tgtcttctgt	cccccaaata	tatacttctc	ccatgttctt	tatttttcatt	300
aatggcttta	cwctccttct	aatgacccta	gccatgaaac	ccaggcatcc	tatttttgac	360
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<210> 32042

<211> 279

<212> DNA

<213> Homo sapiens

<400> 32042

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gggggttcat	wgtattagwc	tctttcagtt	tgtatgntcg	aaattttcca	taataaaaaa	180
gtaaacaaaa	aagatagatt	agactgatat	gtctgagatg	tttaccaata	taaaaatgtt	240
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<210> 32043

<211> 198

<212> DNA

<213> Homo sapiens

<400> 32043

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gtcgagacgt	ttggatcact	tgaggtcagg	agttcggggac	cagcctggcc	aacatggcga	120

004220" 1566EFS60

aaccctgtct ctactaaaag tacaaaaaatt agctggctgt ggtggcatat gcctgtgatc 180
ccagctactg gggagact 198

<210> 32044
<211> 146
<212> DNA
<213> Homo sapiens

<400> 32044
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tctggaattc cagaaatggt aattgctgct tgtattttgtt cttgtttgtt ttttagccag 120
tatttggsyy tttctaatacc agccgc 146

<210> 32045
<211> 301
<212> DNA
<213> Homo sapiens

<400> 32045
caaggactag caaaaaataa taataataaa ataggccagg ctctgtagca caggcctgta 60
atcctagcac tctgggaggc tgaggcagga ggattgcttg agctcaggag gtggaggcta 120
cagtgaacca atgatcatgc cactgcacac cagcctggtc gacagagcaa gacactcaa 180
aaacagaaaa ggatatattca aaggaggaag gaagagcctt ctcaataaat agtgctggga 240
aaactgaata tccacatgca aaacaatata gtggcactca taccatagac aaaatgatct 300
c 301

<210> 32046
<211> 394
<212> DNA
<213> Homo sapiens

<400> 32046
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aggctgccag aaagcatctt agcaatttgt gtttgatgg tccatgcctg actattctag 120
gctggraggc ycctaaagag taacaagagg aagagaaaca agaattctctg acacttggtg 180
agaatagagc acagtcccat ttgtttgaaa agagacacca ggcagccatg tttatgtgnc 240
agaaatgcat tccacctcaa ggaggactta atttatggac ccgtgtgtgc caggctgagc 300
gggcaagatc tttctcagga caaactctgc catgcagcta aaagcctgga aactaaagga 360
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<210> 32047
<211> 321
<212> DNA
<213> Homo sapiens

<400> 32047
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aatatataat caatcactca gtgtaatat atacatcctt taaaaatggt attgggaaat 120
gttttatgaw ctgtaagtcc aaggaatcct ctcccacat ttctttcccc ccgctgttcc 180
cccataccca cacttctttg ttccaattgg catgtaaatt tggttttccc gccaaatgag 240
tcagtcatga tgggaacctc aactgatttg aacagatgtg tgtcaatggt acttggaata 300
ctagatgtca ataaccaggg a 321

<210> 32048

<211> 280
 <212> DNA
 <213> Homo sapiens

<400> 32048
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 atgttttggt tgcctttatg cagagagggtg ctccaagtgc tgtgattgag caccgtgcta 180
 gaggaactgt aatgcttcag aagttgtagc ttatacaaaag gaaacagggtc ctgctggcct 240
 aatttaaaca gttattgcat gaagtagcgt ggaggcccct 280

<210> 32049
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 32049
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 ggccaacaat gaargcgaac agtgadtaga gtttvgcada gctggtttat gtggctctgtg 180
 gccagactac aaggcgagtg ttatttytg acccaataa aaactataag ttttttctt 240
 taaattcttt cggtaaaaaa tgggagccac ttattaaaaa aaccaagcat aatagttaaa 300
 ctggtagcag tagataaagg gaacccggta gagaagccaa gaatataggt acactttgct 360
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 gaccg 425

<210> 32050
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 32050
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 ttaaaaaaaaaa ggttttgcaa ctgaaatttt aaagtaaaca tgtnaagtac agttaaaaaag 180
 taagcattgt agtaaatagt ggattctctg gtgtgtattt tttatctcag tgttgaaaat 240
 tggaaaagaa tggactgaag tctaaaaact ggaataatga aggacactaa atgcctttat 300
 tgtagatact atgtttgtaa gtctatggct aagcanccta agccaaaaag gtctttcaac 360
 tgaagcttta atcaacttat tttggagatg ttctcttccc ttatctcatg cgtcatccct 420
 aaaataataa gat 433

<210> 32051
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 32051
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 aatttctgct tttcaccaag agcagagggt ttctaaataa gtcgaagggg aaaacccttg 180
 gatgcttcat agtcctactt ctaggcagtt ctgcatgaat ttctggtaat ccaggaggat 240
 attgccgtag aagaggttga tggtagcttg aaccaggggt gacacaaagg ttaagagcaw 300
 gctbatgtga tcgctgtgca gtaactgaag aacatatgcg gaaaaacagc aagagtttga 360
 aaatatccgg cagca 375

<210> 32052
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 32052
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 cacttgraag catgaagaac cagttatata gggaacaggt ttctctcagt ggcacatttt 180
 gctttttctg agccccagat acattgcctg ggcatgaaca ttgttaccgt aaattgcaca 240
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 ggggtggtcta tgtgaccatt tgtctcgtat ccaaaaaccc cggggctatt ggaacccttc 360
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<210> 32053
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 32053
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 gtcttcatac aaagatgaag taatattatt agcttttaat acttttagta aatattggacc 120
 attatctaaa aacttggntt tattaaccaa acattgggtt tvcttttcag cggggatctg 180
 atgagcttct ttcttctggc atcatthaacg gacgg 215

<210> 32054
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 32054
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 gacaaatgga ywataatttt gtaaaaggta tatgtaaaag gtataatata tctgagtgtc 180
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 tcatttggaa gactactcca ttaaaataaa atacgaccg 279

<210> 32055
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 32055
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 gtaacggcct tcttggacat tccaggccag gataacctgc ctccactcac tcgcctggag 180
 aagtatgctt tcagcgagaa saccttcaac cggcagatta ttgccagarg gctrcktgat 240
 aakcttcgga gacttcggtg acaatgaaga agacttcttc acggtg 286

<210> 32056
 <211> 237
 <212> DNA

<213> Homo sapiens

<400> 32056

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tgtttatcca	aaggtctggg	accattgtac	aggatcatta	atatacagtt	catctgtgtt	180
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<210> 32057

<211> 231

<212> DNA

<213> Homo sapiens

<400> 32057

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aacacggtga	aaccccgctc	ctactaaaaa	tacaaaaaat	tggccaggcg	tggtgggtggg	120
cgctgtgggt	cccagctgat	cgaggaggctg	aggcaggaga	atgggtgtgaa	cccaggaggc	180
ggagcttgca	gtgagccgag	atcgcgccac	tgcastctat	cctgggtgac	a	231

<210> 32058

<211> 389

<212> DNA

<213> Homo sapiens

<400> 32058

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atgaaaagat	cttgtatagg	ggtgtggaga	cggggagtg	gtagaagtgt	gtgaaggacg	180
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tggtgcctgg	tacaggcctc	ttttcttccc	tgaggcccat	gacatttctc	gttactctag	360
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<210> 32059

<211> 254

<212> DNA

<213> Homo sapiens

<400> 32059

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cctcccctca	gcctgtctgt	tcccacaggg	gggcgggggtg	accgctggac	ccgccgacct	180
gggcgctggg	tctggccctc	tkcctctggg	grcagagcct	gggccccgac	cgattccttt	240
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<210> 32060

<211> 425

<212> DNA

<213> Homo sapiens

<400> 32060

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ccagcartat	gggtgcagag	gagtggtgcc	tgcatagggg	gggcgtgtta	tgcccccgcc	180

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actggggaga	atggcttgcc	tgaggagcag	cgtggacaca	ttggcagaac	ctctgggtctt	360
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tgat						425

<210> 32061
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 32061						
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aangatakwa	cctaaatact	tgactctgtg	ctgtcaaagt	tcaaagtgtg	atttttaaaa	180
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cattcttatt	gtataaaaaat	tctaagcaca	taactgtccc	ctttattgta	taattccaac	300
tacataactg	tcctattatt	acttaccagg	caa			333

<210> 32062
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 32062						
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tgccctgggtg	tttcat	tatgggaatc	ctattgggat	ttaggactat	gtcttaattt	180
tggggcaggg	cagagtatgg	aagtagagag	gatgggaagg	ggattgataa	gataaagtat	240
tgtttgtgaa	gactttgtaa	ataccatctg	ggcaatagaa	taatagaatt	tatttatgac	300
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<210> 32063
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 32063						
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ggaaatccat	cagctttgat	acaaaactcg	tgaagcatga	aataattaat	tctgaggaaa	120
gacctttcaa	atgtgaagaa	ttagtagagc	ccttttaggtg	tgactctcaa	cttattcaac	180
atcaagagaa	caacactgag	gaaaagcctt	atcagtgttc	ggagtgtggc	aaagctttca	240
gcattaatga	gaaattaatt	tggcatcaga	gacttcacag	tggggagaaa	cccttcaaat	300
gtgtggagt	tgggaaaagc	ttcagctaca	gttcccatta	tatcacacat	cagacaatcc	360
acagtgggga	gaagccctat	cagtgtgaaga	tgtgtgggaa	ggccttcagt	gttaatggaa	420
gcctaagta						429

<210> 32064
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 32064						
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aattaataca agttattgtg cttttcaaaa atgtacacgg aaatctggac agtgctgcac	240
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cttttaagga tgccaagaat gcattattcc acaaaaaaac agcagaccaa catatagagt	360
gtttaanata gcatttctgg gcaaattcaa actcttggtg ttctaggact cacatctgtt	420
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<210> 32065

<211> 211

<212> DNA

<213> Homo sapiens

<400> 32065

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gtgttcggtt aaaagccaga agttatgagc ttcaggaaag cartgtacgg ctgaagttaa	180
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<210> 32066

<211> 181

<212> DNA

<213> Homo sapiens

<400> 32066

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gataagactc taccaatgaa ttttaagaaa agtcagtgcc aaatcagaat tagaggcccc	180
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<210> 32067

<211> 150

<212> DNA

<213> Homo sapiens

<400> 32067

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tccgcggggg aagctccctc tgcccgacct	150

<210> 32068

<211> 499

<212> DNA

<213> Homo sapiens

<400> 32068

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tattttacaa cttttagga ctattttttg tcctcctttt aaataagaaa aatatacaaa	180
aatttcagaa aagaagagta gtgttgaggg ttgaattgtg tcctcctcca aattcttatg	240
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tagaggtaat caagttgaat gaggtcattg ggggtgggct gtccagttwg cactgatgtg	360
cttataaaan ggagaaattt ggataccgag acactaatag aaggaagacg atgtgaagag	420
acctaggaaa aagatggctc tctacaggcc aggaagaaat ctgaaacaga tctttcctca	480

cagcagtcag aaggaagca

499

<210> 32069

<211> 151

<212> DNA

<213> Homo sapiens

<400> 32069

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ctgattcatc cagcaaatta agacctgcct t	151

<210> 32070

<211> 128

<212> DNA

<213> Homo sapiens

<400> 32070

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cgcactat	128

<210> 32071

<211> 174

<212> DNA

<213> Homo sapiens

<400> 32071

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gtgtaagggtg tacaatatag cttataatag aaatttaaac taaaatcaca ttgaaatacc	120
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<210> 32072

<211> 480

<212> DNA

<213> Homo sapiens

<400> 32072

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gtttgttttag agcttggtct ggaatagcaa gaaacctaca taccctccga ctgctctcgc	180
tgtagttggt gggtattcac cgcacctct ctctggcttc agtctccaag cccttcagcc	240
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ttcagctttt ggggtccaca gtgccatttc ttctacatcc cagcttacta tgcttgactt	360
cagttacatt cccagtagc aagaacgcag gaggactact ttaatcccct ttgcaaaata	420
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<210> 32073

<211> 473

<212> DNA

<213> Homo sapiens

<400> 32073

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<210> 32074

<211> 387

<212> DNA

<213> Homo sapiens

<400> 32074

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ggtctgtttt ctgagataac aaatatgatg gattccatgg ctgaccttgg tgcttaaacc 180
aggaggtttc aatctagtcc tagagtgtg tccctctgaa aggcccaatg ccatgtaact 240
aayaactgga tatatacttr rccttactta attcacagat aagttgwvnt aactcagtat 300
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<210> 32075

<211> 243

<212> DNA

<213> Homo sapiens

<400> 32075

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ctctaggccc tchmaacctt gccattggtt gccgtatttc aaggtaata tagtttccct 120
cactttacac aatcattakt cttcaatagt ggaccatata cttcaccagg tatcctat 180
ctgttatcta gaggttagca gaaaatgaaa tgaaggaatt tccctaagca gttgggaaga 240
aca 243

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<210> 32076

<211> 118

<212> DNA

<213> Homo sapiens

<400> 32076

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cagatggttt tcaactgaggc atggtttcaa atttaaagag gattatggcc cagaaatgga 60
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<210> 32077

<211> 254

<212> DNA

<213> Homo sapiens

<400> 32077

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attctcggtt tatatgtgat tttagtttgg gtgttatttt ccgtcagccc ttagaagatc 60
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gatgttgcac ttgcaaagat tcaaaacacn aaatcaagct ctaagaatgt tgaagaaatt 180
tgaaagattg aatataccta atcttggtat tgatgacaaa tatcaactta tccttgagaa 240
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<210> 32078

<211> 212

<212> DNA

<213> Homo sapiens

<400> 32078

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atgccttgat ccatagtgtg cagcagttct catggagtag ctactccac cagggtgac	180
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<210> 32079

<211> 137

<212> DNA

<213> Homo sapiens

<400> 32079

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actgcaacct ccacctcccg ggttcaagcg attctcctgc ctacgcctcc agagtaaact	120
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<210> 32080

<211> 131

<212> DNA

<213> Homo sapiens

<400> 32080

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<210> 32081

<211> 299

<212> DNA

<213> Homo sapiens

<400> 32081

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ataaaattat ctttaattat cttagactac ccagtactgg gcttgaattt aatcatagtc	120
aaatgtttcc tctggcagca tratattacc aaatwccmcc atattacctt ataattgcca	180
ttacagttcc ttatcaaaaa tgttaattct ttgcttgagc aaaaatcaat aaaaccttat	240
gtttgaccct aaagtatttg atcagggaac agaagggtgtg aattggacag atccccgt	299

<210> 32082

<211> 287

<212> DNA

<213> Homo sapiens

<400> 32082

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ggatgatgat gactgcmagg caggaaggaa gatgaaaagg aggaggcatt gaacactaat	120
ggtcacaggg agcaccggga gcstgggtgac gccaggggtga gctgcttgw ctgtgagggt	180
ggagggaaga gatttattaa ccttagactt tgttaaagta tacatgtsrc gtctacatgg	240

gaaactgcta aatgaataag tggaaggtgt aacttcaca ccattaa

287

<210> 32083

<211> 372

<212> DNA

<213> Homo sapiens

<400> 32083

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gtgatccag	cactttggga	ggccgaggtg	ggcagatcac	ctgaggtcag	gagttcgaga	180
ccagcttggc	caacttaggg	aaaccccgtc	tctaacaaaa	atacaaaaac	aattagccag	240
gtgtggtagt	gcgcgcgcct	gtagtcccag	ctactgggga	ggctgaggca	ggagaatcac	300
ttgaacccga	gaggcagagg	ttgcagttag	ccgagactgc	accagtgcac	tccagcctgg	360
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<210> 32084

<211> 421

<212> DNA

<213> Homo sapiens

<400> 32084

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caaacagatg	ttacacatgt	cctgaattt	ggaaaactaa	gatataata	tgtatccgtt	180
gacacctatt	ctcaccta	tagcgcacat	gctcttctg	gaaagtccac	cccatctgtc	240
attaaacatc	ttttaacttt	tatgtttatg	gnncagccca	caaaaattaa	aacttaataa	300
tggtccggct	tatgccagct	cactcaacaa	ttttgtcaca	cttgagcgt	ccaacattcc	360
acaggcatcc	cgtacaaccc	ccaaggacag	gccgtagtag	aacgtgcca	cttcacccta	420
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<210> 32085

<211> 392

<212> DNA

<213> Homo sapiens

<400> 32085

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garsccctgt	cttactaaa	aatgcaraat	tagccaggag	tgagggcggg	tgcttctcca	180
gctgctcagg	aggctgaggc	aggagaatcg	cttgaacctg	gggggcagag	gttgtagtga	240
gtcaagatcc	tgccactgca	ctccagcctg	ggagacagag	tgaaactcca	tctcaaaaat	300
gaagaagaag	aagaaaaaaa	gaaactctat	gagcaatatg	atcaatttaa	agtaaaaatt	360
attttcaatg	aataagtatt	tatttaggta	aa			392

<210> 32086

<211> 428

<212> DNA

<213> Homo sapiens

<400> 32086

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cagtaagact	ttccatcttg	gcagccatcc	tttttaagag	taagttggtt	acttcaaaaa	180

gagcaaacac tggggatcaa attattttaa gaggtatttc agttttaaat gcaaaatagc 240
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 atattttaact tataaatttt gctttctatg gaaataaatt ttgtatttgt attaaaaatt 360
 aacttttccc ttttatacag aatctgaacc aaatttacct tactttcctt ccaaaatatac 420
 cacattca 428

<210> 32087
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 32087
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 acatcaattt tctcagtaaa atgaggggaa tagactaaat agttgccaaa attcttagtc 120
 cacactc 127

<210> 32088
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 32088
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 agcctttccc tccggaccct tttaaaagat tcaacagcac cgtcag 106

<210> 32089
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 32089
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 aracaaaaaa gggaagct 138

<210> 32090
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 32090
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 accttgaagt gcaaagagaa ggagtgtac ctcaaaaaga gagctttgtg gagaaggctg 180
 cctgatagca gctgtagtcc caggtagagg gtgagccacc acgcccggcg gttattacat 240
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 tgattagggt caaacagta tctatgttct ttaggtatta aggaaaaagt gtatctgtcc 360
 taagaaagtg tttataagga gaagagtctt cctagaacac taactt 406

<210> 32091
 <211> 121
 <212> DNA
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<400> 32091

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<210> 32092

<211> 135

<212> DNA

<213> Homo sapiens

<400> 32092

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tattycatgg tgggtg 135

<210> 32093

<211> 214

<212> DNA

<213> Homo sapiens

<400> 32093

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ctgatggatc tgggcaaagt aaactgaaaa ctttctggaa aggattcacc attccaaaga 180
gtcattaaga acacttgtag tttatgggag ggcc 214

<210> 32094

<211> 82

<212> DNA

<213> Homo sapiens

<400> 32094

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<210> 32095

<211> 374

<212> DNA

<213> Homo sapiens

<400> 32095

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aaagtgtttg tctgttaaagt cccaaatctt ggcctcttag ggacattttc tgttggccac 360
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<210> 32096

<211> 337

<212> DNA

<213> Homo sapiens

<400> 32096

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ctaagagaaa	ttcagcctca	gccccagat	gaagatgggg	atcacagtga	caaagaagat	180
gaacagcctc	aagtgggtgt	tttaaaaaag	ggagacctgt	cagttgaaga	agtcataaaa	240
attaaagcag	aaataaangc	tgccaaagca	gatgaagaac	caactccagc	cgatggaaga	300
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<210> 32097

<211> 231

<212> DNA

<213> Homo sapiens

<400> 32097

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gaagggatcc	agtttcagct	ttctacatat	ggctagccag	ttttcccttc	atgctaaaaa	180
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<210> 32098

<211> 216

<212> DNA

<213> Homo sapiens

<400> 32098

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cccagtaata	gcattcttgg	tcaatgatag	tctgtgtgaa	tgcttctatt	gtcagagagc	180
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<210> 32099

<211> 321

<212> DNA

<213> Homo sapiens

<400> 32099

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acgggaatat	gaacragatc	aggagcgc	acttcgagaa	agagagaggg	tgaagcggca	180
agaagaagag	cgccgtagga	gaaggagcgc	tatgagaaa	agaagacttt	taagagaaaa	240
gaagaagaaa	tgaaaaaaga	gaaagacaca	cttcgggata	aaggaaagaa	ggctgaaagt	300
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<210> 32100

<211> 377

<212> DNA

<213> Homo sapiens

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atcatgccaa	atgatggaag	ggaatctaaa	ctgaaatgaa	cacttcgctt	agcacaattt	180
ccaaaacaga	aaatctccag	actttatgac	taatgaactt	tacgccccaa	cttggaagat	240
atgagaagcc	attagkcgga	taattctgga	aagagaagag	gaaaagttaa	gtgtgacaag	300

acacattcac atatagttca agattgtgtc atgtttccar ccavaaagag tcctatatag 360
tgtttgatag aagtcac 377

<210> 32101
<211> 221
<212> DNA
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<400> 32101
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aagtatccat atttcmaagt tttctcaatt atcctaaaat atttttctat ttaggattaa 180
atcaagtatg catatagtgt cttctcttta tttttttttt t 221

<210> 32102
<211> 278
<212> DNA
<213> Homo sapiens

<400> 32102
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atgaggtgtc caagactgct gttcagcacg tatctaaaat gttgtttaac tacatcagaa 120
ggtaaatcta tagctgcctg aagcgaacta aaaagctgtg tcaatctggt gcagtggctc 180
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<210> 32103
<211> 442
<212> DNA
<213> Homo sapiens

<400> 32103
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gtgtggccag tgtcctgagg taatgttttg catttaaat tttttagaaa gcagaatctt 180
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caagggttgg aatgaggggg gt 442

<210> 32104
<211> 120
<212> DNA
<213> Homo sapiens

<400> 32104
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aagtgatctg cctcctcag cctcccaaag tgctgggggt acaggcaggc atcagccacc 120

<210> 32105
<211> 147
<212> DNA
<213> Homo sapiens

<400> 32105
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 actcttgatt tatttcacac amtgsct 147

<210> 32106
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 32106
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 gagacctatt tggagctatt amctactttt ttttcccttt tttgggkggt atattttgat 180
 gtgaacaaaa gaatttttac att 203

<210> 32107
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 32107
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 aaccgcggct gggctttaac atcaggctcc tgaggaccgc cccagtgacc tgggagaccc 120

<210> 32108
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 32108
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 aaaaagtagg aaccatgtaa agatgatggg gacagaataa ttgtgaagac ctctctgctc 120
 ctcttgcttg cacaccctat atakakrtat aatcgagct aaagagctct gtgtatattt 180
 caccctgta 189

<210> 32109
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 32109
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 tatcatgatc taraccataa gttcagattg cttgataty 99

<210> 32110
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 32110
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 tccccactcc acagatgagg aa 82

0011220" 6667560

<210> 32111
<211> 165
<212> DNA
<213> Homo sapiens

<400> 32111
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tcacctcttt gcccccgacg gctgtgacgc agccggaggg aggcactagt caccgrmaag 120
cgggcctkga agacrragca aagcgccac ccaagtcccc cgtaa 165

<210> 32112
<211> 394
<212> DNA
<213> Homo sapiens

<400> 32112
agctagactt acatggcaaa gaggaaggta aactcatttt cttgagatcg tgcctattcc 60
tctttttgct gtctctgtac tcagaataca ctttactttt ctaccattaa cactttgstg 120
ccttccttra agaacagggc atgccgcac tctgaagcca caagccaagc aagcatagta 180
cctgggtacaa gtataggccg aaatatttgc tggatattag agtatatgga aacataatga 240
aagcttgtca tcattgacat ttaaatgtga aactgtcacc atcaatttgg acaattagaa 300
tccatctcat ctggtttaca tggcavhkct tcaatattct tcacagaata agtagccttt 360
aaaagtgtgt tcaaattact tcttactcaa gaggc 394

<210> 32113
<211> 443
<212> DNA
<213> Homo sapiens

<400> 32113
gacctaaaa cattaagaag tactacaaaa ataaacttgc tagaaatgav aaataaatca 60
ttgatgttaa aacctcaatg gacaggaaaa gtaatggcat ttaatatgg aaatggaggw 120
ttacaaacck gtagmcagaa ragggaaaca aacattgatg actgcctgct tcgtgacacg 180
agctgctttt attaatgttt attttattta attccttgaa ctactttttg aggtagtgtga 240
atatccact ttagagaggt gctgttatct acagataagg tgaaaacagt arattaagta 300
agagcagtga ggaaaatgat gaactcagtt ttgaatgtct taaggmacat gtgggggttt 360
ctagggagtg atccaggaga tactttagtt caggagagag atccgggctt aaaattttta 420
actgcttaaa ttcccaaggt tat 443

<210> 32114
<211> 273
<212> DNA
<213> Homo sapiens

<400> 32114
catgcctgta atcccagcac tttgggaggc caaggtgggc ggatcacctg agggtcggga 60
gttcgmgacc agcctgacca atatggrgaa accctgtctc tactaaaaat acmaaaattag 120
cgggscatdg rtggrtgcat rctgtwgatc ccagctactc gggaggctka ggcaggagaa 180
gcgcttgaac ctgggaggca gaggttgccg tgagcccaga tcgtgccatt gcgctccagc 240
ctgggcaatg agtgaactcc gtctcaaaaa aaa 273

<210> 32115
<211> 421

<212> DNA
<213> Homo sapiens

<400> 32115
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cataattggg atccaaaggt gacaaatata tagaataact ttgtctcaga aatagtatca 120
cttaactggg gtttacnata gtagagccaa gtattaccta tctttcttta caactttaag 180
gaagtaat ttt tacttctgag ttccagattt ttcaattgtt aaacagtagt cttcccttcc 240
tattctatgg cattattagg aggagaaaat gagatatgtg ctttgagaaa gtttaagcagt 300
atagcaagat gaagatat tcaagccctt atcatccata tgctctacta cctaccaaag 360
atccagttca tacttttgtt tatagtaatt ggaactttta aaactctagg gtatagttag 420
t 421

<210> 32116
<211> 251
<212> DNA
<213> Homo sapiens

<400> 32116
acttgctctg cgctgaggtg ctgggacagc catgggtttca gacgttcact ttatccaaat 60
gcatagatgc cgtgatgggtg ctgggaaatt cgcatttatt catgaatcgt tccaacaaac 120
ttgctgtgat agcaaagtca cattcaagaa agccgattct tatatcctgg aaagaatggc 180
agacttggag acttcttcgg agaccctggc aaccctcctg aatttaatcc ctctgggagt 240
aaagatggga c 251

<210> 32117
<211> 238
<212> DNA
<213> Homo sapiens

<400> 32117
ctatgaaatg agaattagtt ctggtgtata ttcagatgtc tgctttcaaa ttttcctagt 60
taaatacagc agttgaagaa agtcaaactg tatattgcat taattaaatt rttaagrwtt 120
ttwatggayc ttamcgtggy gattttatgt gttacagttg aaacatttcc gagacatgtt 180
gtatgcatat cttttcttka agatcttgac atttatggcc aagctacgta cccatttt 238

<210> 32118
<211> 341
<212> DNA
<213> Homo sapiens

<400> 32118
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caaatacctg ttctgaaact tataggaaat tggaattttg tttaaaattt tacactttaa 120
ggtwrscaaa tgtcaattat tagaccgagc atattgtgaa gaattaaact aaaattaata 180
cgtacagttt tctctaatta ggtgactgtt cataatgggt atatttggaa tttagaagaa 240
ataattttgt agtaattgtg gcccttatgt ttaacagata attcagcatt ggcgtatttg 300
cttgtcccaa tacaagaatg ccaaaggagg aaacaggaat t 341

<210> 32119
<211> 424
<212> DNA
<213> Homo sapiens

<400> 32119

gtttaaacct	ccgggggtcac	tgacacacatg	cgatctgttt	tggatggctt	ctgttctgca	60
ggctgagggg	agcaggtgcc	ggcttggcaa	ggtaccggg	gttgcagctt	ccctccgtga	120
ggatgccgct	gckgaaatca	aggtttgctt	catctcacia	gaagtttaac	cttggcaatg	180
cgttcgctga	cctactcttt	cagagtaatg	tgtcctaaac	tctagtgtct	ttgtcaacca	240
ctgtgtatct	tctgtaactc	tcctctgtaa	ctctcttctg	caactctcct	tacgcttttc	300
nntaaattga	tctgcttcta	gaaacgtaag	tacctatctt	agctttattc	aaagcaatct	360
tatcttgtgt	gatcaagggt	tagagatgct	aattataagt	ttatatatat	ttttatatcc	420
ttaa						424

<210> 32120

<211> 479

<212> DNA

<213> Homo sapiens

<400> 32120

tgtaatgtaa	actattatac	aactgttttt	gcgactttat	aggcaggtaa	atcttcttat	60
tactattgaa	tacaaatgac	aattcattta	tgaccactca	aacagcgcta	gtaaccattt	120
agtgrmcaar	ggattamaac	atccatctgg	atgttaattt	tgaagatgta	aattatatgt	180
tgtttaaatt	ttccaggca	tctgaaaacc	ttatctgcta	gacaatgtaa	gattcacaca	240
gagttatctg	ggattctgat	tttttaaata	gtacatatca	ttaaaccatt	ttctctaaat	300
gtaagaagag	cagaaaaaat	cttataagat	tatcagattt	ttctaataac	acagaaatgt	360
aagaaaaaaa	tccttttata	ttgaaaaaag	atgcagtaaa	agtcttttca	gacatgccca	420
aactttgaga	atcttttcaa	ccatctaata	ctataaagat	ttttgttctt	cctgttcac	479

<210> 32121

<211> 190

<212> DNA

<213> Homo sapiens

<400> 32121

aaacatcggt	atgcggcgca	tgactgtatt	tgacttttta	aaagaaggta	gcacttcatt	60
gagttagaat	taagaaatct	gggtgttctta	attgttgtga	aagtaaatgt	gtatttataa	120
gaccaactkg	tatttcactt	gcttttggtt	actgctttag	tatggacttt	ctgtcagatt	180
ttgagatgaa						190

<210> 32122

<211> 339

<212> DNA

<213> Homo sapiens

<400> 32122

tcctttgtta	acagttttta	cagctttcca	tctcttcgct	gcacctaaac	ttaagggtgc	60
aaagatcagg	tgctgatata	tttagatgtc	tggaadaact	tcattgcttc	actgraaagt	120
tccatagaga	cagatatcca	ggaattatag	catgtggata	aatatttttg	tagcacagat	180
tcataaathc	ttgtatgcag	gaagtactac	accaaactgt	tactgtgggt	akttgtgagt	240
tgctgaatta	tcggtaatat	ttcaaaatat	ttaatgggat	tctgaaaata	tactagtaaa	300
tacacagaaa	agcattatct	aggtgatatt	tcttttaatt			339

<210> 32123

<211> 429

<212> DNA

<213> Homo sapiens

<400> 32123

aaaaatgtcc	aggcgcggta	gctcacgcct	gtaatcccag	cactttggga	ggctgaggca	60
ggcggatcac	gaggtcagga	gatcgagacc	atactggcta	acacagtgaa	accggtctct	120
actaaaaata	caaaaaatta	gctgggcgtg	gtggcgggwg	cctgtagtcc	cggctactcg	180
ggaggtgag	gcgggagaat	tgcttgaacc	caggaggcgg	aggttgcagt	gagccgagat	240
cacgccactg	tactccagcc	tggtgacaga	gtgagatccc	gtctccaaaa	acaagaaaaa	300
ataagtgcaa	aagttttgat	ggtggaaata	ggaaatgtca	gcttcaaagt	tatttagaac	360
atttcagtrk	ttttcagttc	tatggatagc	acaaacaaat	gcctcttata	tctttctcct	420
agaagacta						429

<210> 32124

<211> 164

<212> DNA

<213> Homo sapiens

<400> 32124

aataaagaag	cctggagcgt	gggatagagg	cccgaactgta	tctggccggc	cagaggggaa	60
agggatcttt	ctagtagagt	gggatagtga	ggaagagaga	tctggagggt	gccsggcagr	120
atctgctaag	gaggaacta	aagccagtca	aatgaccctc	ttct		164

<210> 32125

<211> 355

<212> DNA

<213> Homo sapiens

<400> 32125

aatgattggg	ggggctagaa	aatataggaa	tatttgatat	ttaaaagatg	atatggcctg	60
gtgcagtggg	tcacgcctgt	aatcccagca	ctttgggagg	ccgagacggg	tggatcactg	120
gaggtcagga	gttkgacaca	agcctggcca	acctgggtgaa	acagtgtctc	tactaaaaat	180
agaaaaacta	gctgggcgta	gtggtgcatg	cctgtaatcc	cagctactcg	ggaggctgag	240
gcaggagaat	tgcttgaacc	caggaggagg	aggatgcagt	gagccaagat	cgcaccgttg	300
gactccagcc	tggaggacga	gagcaaaact	ccatctcaaa	aaaaaaaaaa	aaaaa	355

<210> 32126

<211> 99

<212> DNA

<213> Homo sapiens

<400> 32126

ataatgaccc	aggctgasaa	gggtgatacg	gagaacggaa	aggagaaggg	cggcgagaag	60
gagaagghgc	agcgcggcgt	gaagcggccc	atcgtgccc			99

<210> 32127

<211> 376

<212> DNA

<213> Homo sapiens

<400> 32127

caaacctcat	gccttattca	gcatcacaaa	atgcatagga	aagagaaatc	gtatgaatgt	60
aatgagtatg	agggcagttt	cagtcatagc	tcagatctta	tcctgcaaca	agaagtcttc	120
aaccagacag	aaagcctttg	attgtgatgt	atgggaaaag	aactccagtc	agagagcaca	180
tctagtttcaa	catcagagca	ttcataccaa	agagaactca	tgaatgtaat	gaagatggga	240
agatattttat	caaattcagg	cttcattcag	catctgagag	ttcacaccag	ggagaaatca	300
tgtatgtact	gcatgtggta	aagccttcag	tcatagctca	gccattgctc	agcatcagat	360

aattcacacc agagag

376

<210> 32128

<211> 306

<212> DNA

<213> Homo sapiens

<400> 32128

catttagtct	tgacaacccat	ttgaaataag	agccactggt	ctttatcttt	tcacagtggg	60
aggacctggt	tgtgtaaaga	ggttaagtaa	ctttaccag	gcactgtgag	cagctgggaa	120
ttagcccaaa	cagactgdc	tcagcacctg	gaccagggag	ctgtggaatt	aaggctctgg	180
tttctatcca	gctgaatgac	attggggaga	atatttttaa	aggcctcaat	gtgctcatct	240
gtaaaaataa	cggggttg	atgggtgatc	tcaaagatcc	ccgccaaytc	tctagcagct	300
cacctc						306

<210> 32129

<211> 452

<212> DNA

<213> Homo sapiens

<400> 32129

tagatataga	tatatagata	tagatcgata	tagatatata	ttagttgtgc	tgaaaggagt	60
ttcatgttta	atatttattt	atatattatt	aatgtaatac	agtatctgtg	gggtatatgk	120
ttccaagacc	cccagtggat	gcctgahact	gtdgatagta	ytgaacccta	tgtatactgt	180
gtttttttct	atacatgcat	acttatgata	aagttttaat	ttataaatta	ggcacagtaa	240
gagattaaca	acaataataa	aatggaatag	ttacaacaat	atactgtaag	aaaagttatg	300
tgagtgtgga	ctgtccatct	caaaatattt	tatttattat	gctatacttg	agtactcctt	360
gtgatgaatg	aggtaggtgg	tgcaggcatt	atgaagtact	actattgccc	cagaggggtgg	420
gtagcatcta	cagcatagat	acactggacc	ac			452

<210> 32130

<211> 330

<212> DNA

<213> Homo sapiens

<400> 32130

ttgaaacatg	ctgcagattt	gatagaggta	tattatgtct	taggaaaata	caatgaagaa	60
gggccaaatc	cctattgagg	ctggatgtct	gatctgcact	agacttaaga	ggatatatca	120
tttcatctgc	atgtaaacc	atagggtga	atgtgatg	aaaaggggtt	gccgttaata	180
attttcttca	atgtaaacc	tcctaataat	tttgattgtt	gctccttagt	caatcatttc	240
ccaaaacatg	attattttta	atatatgtaa	aatattttaa	taataaataa	taaaaggtaa	300
tgtgtccatt	ttaaattttg	ttcccagccc				330

<210> 32131

<211> 344

<212> DNA

<213> Homo sapiens

<400> 32131

tcaagcaatg	agctgggaac	ccttctcctc	tatctaata	aagactttat	aagcttggtg	60
tgatttcttc	cttaagtgtt	tgatgtaatt	tagcagtgga	gccatctgtt	ttctattttc	120
tatttcatgg	atttccattt	acttcctttc	atctgtgttt	ttcctcacag	atttattttat	180
tatttaaata	ttttaacagt	agagataaaa	atgagatata	caggctgcat	gttttaaatg	240
tttcggcaca	tgtcatgtat	gtatgtgtgt	gtcacacact	gtatctgcca	cgctaataca	300

ggcagcaaac atgtgcgtca sgccacggtc tccctcctcc caca

344

<210> 32132

<211> 275

<212> DNA

<213> Homo sapiens

<400> 32132

accgacattt	ctgttgattg	attgattatg	cagattgtaa	atgggtaata	tatgatataa	60
ttagatttta	cccatgacct	ttcatagagg	tatttatctc	atgacttttt	cagtttattc	120
tatagttatt	ggctcttctca	ggttttggat	aatatgataa	tttgtgtttt	ccttaagaat	180
tgtctgtttt	gttcagttta	aaaaaattat	tagcaaacac	ttatgtatag	aattttctta	240
tgatatttga	cttccatattg	tgacaaaacc	ccctc			275

<210> 32133

<211> 372

<212> DNA

<213> Homo sapiens

<400> 32133

tacttttaggt	cccaacacat	atttaggggt	aattcagcca	gcctactgag	ttatactcct	60
ctgtcatgac	attagctaga	tagttcctac	ctggcattag	gtagataaga	agcagaagtc	120
cattcttctt	gattcatact	ataaagacac	ataaacatcc	agatgttaca	tagagatggc	180
aatttccagt	tacagaatta	ttaataattt	agttgaatta	aaacatattg	aatgcctact	240
ctgtacatgg	cattctatta	catgtaaaat	ttagtaaata	caaagatgga	tagatccttt	300
aggaacatac	ggtcatatga	gagttacata	aatgtctaaa	taactgtaat	ataggcataa	360
tgacatcagc	gc					372

<210> 32134

<211> 248

<212> DNA

<213> Homo sapiens

<400> 32134

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ttggacagat	tactttgaag	tttcatttta	ctcacatctc	tatatattag	tgataaaaaat	120
ctctttttaa	aatagcaaaa	aagtggttct	gattttgtac	tttggaggta	atttttcttt	180
tttacgaatg	tcaggttcat	taacaatagc	aggattatct	ttactatagc	ttatttttga	240
gagtttagc						248

<210> 32135

<211> 332

<212> DNA

<213> Homo sapiens

<400> 32135

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gggrmcgat	tccgcctcgc	cgcgcctctg	gctgctgrgc	cgtgggtttw	tctcttggtc	120
tgaggagtaag	gaggacgacg	gcccctaacc	cctgaattar	ccytwctatt	tccattagkg	180
acttagaagc	taccggcgcg	ctcatctggg	ctcacctgag	ctgaggatca	ggaaggggag	240
sgggcacagt	cattccctcg	cggamgcggc	gggacccca	cggacggctt	tgtgcggamt	300
ttcggcaccg	ttatgcccc	ctagcccgac	ga			332

<210> 32136

<211> 304
<212> DNA
<213> Homo sapiens

<400> 32136
taattccacc agttgaagat tttcctgttt gttcacctaa tcaggcttct gttttggaaa 60
atctgaggct agcggtagca tctcagcttg gatttacttc agtcaggctt cctatggcag 120
gcagatcaag caacatttgg aaccgtatth ttaawtttgg caagatcacg tcattctggg 180
tcattggctt tggcttcagc agatggagat gaggttgtcc ctagtcagag taccagtaga 240
gaacctgaga gaaatcatac tcacagaagt ttgttttccg tggagtctga tgatacagac 300
aacg 304

<210> 32137
<211> 287
<212> DNA
<213> Homo sapiens

<400> 32137
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cacagaattg ttatagtagt tcagaatctt gggacgagct tgtcatttta gdataaattt 120
ggcatgacat tggcatttac tttaaattgta attaatgrtt cawtyckgcm accttgtkac 180
tacetgattg ccgataacaa ctttcgaaag ggtattatth ttgtgagtca ctttcagagc 240
tgatcagaga agatttatcc agaattatth tcatgattgt gccaaaga 287

<210> 32138
<211> 159
<212> DNA
<213> Homo sapiens

<400> 32138
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cctctgcctc tgggggttcaa gtgattctcc tgtctcatcc tcctgagtag ctgggattac 120
aggtgtgagc caccacacct ggccattgtt tttttaaaa 159

<210> 32139
<211> 458
<212> DNA
<213> Homo sapiens

<400> 32139
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agtttggaaac tccacattct ttcagaccgg gcccgctgag gggcgttcct ggggggtagc 120
ctcaaggcca gcgggggttc ttcggctgag tttctgtkag raggccctga aacgcgcgga 180
gcttccctct gcctccaggc tttcccagcg agagtgaat taaacttgaa actcgatca 240
actggcagtc gttgttggtg gaacgcctca aggaccctc cccgcgggag ggagggagga 300
skcgggacag ggaattggcc ctgggagaaa acgcgcgggg ggcgtccgag acgccccgtg 360
aaagccgtgc cgacccttgg gaggactgac aggtctagag acacgcgctg tctgttggg 420
tgggcctccg gbwataagtg aggggctctg tgtttcga 458

<210> 32140
<211> 369
<212> DNA
<213> Homo sapiens

<400> 32140
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 acatatacat tagatacatt tatacaatgt gtaatgatta aatcagggca gggcaattag 120
 gatgttcac acttaaaamm tgbaacatty ctttatgctg ggaacatttc aaaccttctc 180
 ttgcaactgc tttgagatat ataataagtt attactata gtcaccvkac tgtgctatca 240
 aacactagaa cctgttcctt ccactaact gtatgttttg aaccattaac caacctctht 300
 ccataccccg cctcccagcc tctggtgacc atcatatggt tctctactcc gttagatcaa 360
 ctttttttt 369

<210> 32141
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 32141
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 gcttggccag gtccccaacc tycccgagg tgctgtgggt ttgaggctgt gcaggaagtg 180
 ccggtggggc tgggtgcagcc ggccagcgca accctgtacg actactaaa ccccgagcgc 240
 agatgttctg tgttttacgg ggcaccaagt aagakcagac tcttgccac cttgtgttct 300
 gctgaagtct gccagtgtgc tgaggggaag tgccctcgcc agcgtcgcgc cctggagcgg 360
 ggtctgcagg acgaggatgg ctacaggatg aagtttgct gctactacc ccgtgtggag 420
 tacggc 426

<210> 32142
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 32142
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 aagagtactt gaagttttat ttaaaataaa atgttggtga aaaggtagca ttctttttt 120
 aggagtgtta tttttcacta tgttggtgga caaa 154

<210> 32143
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 32143
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 ggcagtgtaa cataggcctt atccaaaagg atgaacaaag agagcaggag gggaaaggag 120
 atgagaatag tgtgtgagaa agactgcgtg agaatggcgt gtgagaatag tatagtgtgt 180
 tttggggagg ccagaggacc tacccattgc ttcacattct tggtgccaac tgtgaccgtt 240
 aaatatgtg attctgtaca tgcttcaaga ttgttcctgg aggtcaagcc ttgtctgata 300
 ttcctctctt tttaaaaaat tttattttgg ttttaaatag rgacagggtc ttgttatgtt 360
 gccaggtcgt gtctcgaatc ctgggctcaa gcaatccctc ccgccttggg ctctcaaagt 420
 gctggattac agttgtgagc 440

<210> 32144
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 32144
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 aaggtgcttg gtatgttctg caaagagtta agaggtcagt gtgcctggag aaggtgcagc 120
 aaatgggaca gtgatmgcca taaggccagg gcggtggcag acagccagat ggtgtggagt 180
 cttgcaggcc acggtaagaa tgtgtgggtt ttgcatttta cttagagtga aaagagaagg 240
 attacagatt gttgtgcaga gaggcaacat gatctgattt atatttttta aaaatttctc 300
 tgtggagtat atattggggg aggggagcaa gggtagaagc agggagaact attaggaggc 360
 tattatacta gt 372

<210> 32145
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 32145
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 gagtggaaatt gtggtgtcgt agttaactct gtttaacttt ttgaggaact gttttccaaa 180
 cttttccaaa gtggttagat catattacat tcccaccagc aagtatgaga gttgaatttc 240
 tccacattct tgcaaacact tgttattgtc catctttttg attatagcna ttgttgtaga 300
 tgggaagtgg tatattattg tggttttgat ttgcatttcc ctagtgacta atgatgttga 360
 gcatctgttc atgascttat tascatttgt atgtctgctt tgacaaatgt ctattcaaat 420
 cctcttccat ttttgaattg agtcaatt 448

<210> 32146
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 32146
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 ttgagaggct gaggtgggag gatctcttga gccaggagtt caaggctgca gtgggcccagg 120
 atcacaccac tgcagtcag cttagtgaac gtgtgagacc cggctcctcaag aaaaaaactt 180
 tgtgtgtgta aatggaatca tactgtacat attctttaat gcctggctgc tttcactcgc 240
 atgtttttga gagtcctcca tgttgctttg tgttccagta gtttggttgc ttttaknvt 300
 gagtagtatt cactgtggta tggctatacc acaatttgtt tctkbattca cctgatattt 360
 gggtttccag cttttggcta ttatgattaa agtggcaatg aacattgatg tacaagtctt 420
 tttgtggact tdagttttta tttctcttgg gcaaatagga gtagaatagc tgagtcatat 480
 ggtgtatatt ttgc 494

<210> 32147
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 32147
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 gctggttgta tgaagcttgc ttagctacct ttatctgcat gattttgatg tgtkvccatg 180
 tttgggaacc actggcctaa canggtaaaa acatgggtata gaaggccttc taattctggc 240
 tcttggttat tttctcaatc tgatcctgtt gcttctgtt ttatactcta tacttaagca 300
 gtaccaaact gctggcagtt ctgtggattc cttgcatttt tatttttgtg ttcatttga 360
 ttttctcatt tcctggaatg cba 383

<210> 32148
<211> 460
<212> DNA
<213> Homo sapiens

<400> 32148
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agcckwggaa cttgggggga tggcgaatgg ttcttgcccg ggccaagag gtgcacaggg 120
gcacctccat ggctccatta ttaacacaac tctagcaatt atggaccata agcacttccc 180
tccagcccac aagtcacagc ctggkccgag gctctcctca ccagccaccc agggagtcac 240
ctccctcagc ctcccgccctg cccacacagg aggtctctggc tgtcctcttt ctccactcca 300
mnggcntggc tctttctaca cctvntctt gggcatgggc tgagggctgg akcgagtccc 360
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cyasccaggt cctcctgcag tgcggcatcc cttggcagct 460

<210> 32149
<211> 443
<212> DNA
<213> Homo sapiens

<400> 32149
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agttttcamg ggtcttcast caaccctggc tgtcaccttt ggggaatgat gctggaggtt 180
gtctccagtt tctcctcagc aaagagagat attgctgtgc cccagttga cattcatgga 240
cttctttgtt ggtgggtctca gctgagaggg tgaaggataa ctggatgctt ctctgttgcc 300
tggtgatggg gtgttttttag acagarttga agagcattta gtgtatgatg atattgggca 360
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ttgttgttca agtctcttga cct 443

<210> 32150
<211> 327
<212> DNA
<213> Homo sapiens

<400> 32150
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gttttaaaga catagtttga ttgaatctgc ggatgtggta gatgtgggtg ggagatgtaa 120
cttccatctg tgtattttga cttaagttag aaactgaact gggctggcaa agactgaatt 180
gacatcaacc aaatcctaatt tttatrcag gattcttcat ttagatatcc tcattcangt 240
ttattgtttg gccattctaa tgttaaattt caggatctat cttaaacaaa ataaggaaaa 300
tgatagagtt ttccatttct gggcagc 327

<210> 32151
<211> 183
<212> DNA
<213> Homo sapiens

<400> 32151
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gcgccctgga gggaggtgta gaaagaggta catggagaac aagtttgtca atccatctga 120
acttcagttg cttacctgt aagcagccgt gtctgtgttt ttgtctcgca gaattagagc 180
cca 183

<210> 32152
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 32152
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 ctggaggagg ggataccaga attgagtcag gggagaagac agaggaggga ggaagaggrc 120
 ttccaggcag aggggaatgt ggggccaggt gtgtctcggg gaactgggar caggctgacg 180
 ctgccagagt gtagtatgcc gggcagggag tcctggcagc caaggctgga gccatcatca 240
 ggagcaggtt aagaaggctc ttgttgcgaa ggggagcg 278

<210> 32153
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 32153
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 tcagtaattc agaataatca agttcatatg gataaatgca tttttatttc ctatttcttt 120
 agggagtgct acaaaatggt tgtcacttaa atttcaagtt tctgttttaa tagttaactg 180
 actatagatt gttttctatg ccatgatgtg ccacttctga gagtagtaaa tgactctttg 240
 ctacatttta aaagcaattg tattagtaag aactttgtaa ataaatacct ac 292

<210> 32154
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 32154
 tgaaaataaa atatgaaaat actcatgtag acaaaaatgc caactaaca atgaagagta 60
 tatgatgaaa ataaacccaa ggggggtgagg attttcacgt ctggaatggc agaataaaat 120
 gttcagcaga ccttaacaaa acaaccattt aaccggta 158

<210> 32155
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 32155
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 tttttgagat gagttcttac tcttgctgcc caggctggag tgcagtggcg tgatcatagc 120
 gtactgtagc cttgaacttc tagggctcag gtgatcttca tacctcagtt tctggagtag 180
 tttggactac agttgttcac caccacaccc agcaaagaat gtgacaaaaa gtactaagtg 240
 tgttttagct aagtatcgat aagaaaagag tgtcttttta tttatttttt atttgtttat 300
 atgtactttt tgagacaggg tctggctctg tcgtccaggc tggagtgcag ttgtgttaatt 360
 ttggctccct gcatactcag cctctcaggc tcaagtaatc ttcccasctt ggcctccg 418

<210> 32156
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 32156

taatgattag tgatgatggg catttttcat atgcatattg gctgcttata tagtttcttt 60
 tggtagagtgt ctattcatgt cctttggcca cttcttcttt ttttttttt 109

<210> 32157
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 32157
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 tatcatgtat ttatttggtg gcaaactatt gtttgtkgtat taaaatagca ctgttccagt 120
 cagccactac tttatgacgk ctgaggcaca cccctttccg aatttcaagg accaagggtga 180
 cccgtac 187

<210> 32158
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 32158
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 tggattggag ttggggatcc ccaaacttcc tgaaattgtg ggaatgtgcg gtttggggga 120
 atgatgggaa tttgtgggaa tgtgctgktt aggggaatga tgakccatcg ctagcaagtt 180
 ttttgaagggg gctgtgaccc akwagagtta gaatcacaat ntcttcatgc tacagagagg 240
 aaactgaggc ctagatgtca tttnggaccc ttcacaacca ttttgaagcc cata 294

<210> 32159
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 32159
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 aattttgtaa atttccacga ctacttttaa cagaatacca gtctcattaa caccaagaag 120
 aaattagaaa atgacgtttc ccaactccaa agtgaagtgg magaagtaat ccaagaatca 180
 cgcaatgcag aagagaaaagc caagaaggcc atactgatgc tgccatgatg gctgaggagc 240
 tgaagaagga acaggacacc agcgcccacc tggagcggat gaagaagaac ctggagcaga 300
 cgggtgaagga cctgcagcat cgtctagatg aggccgagca gctggcgctg aagggtggga 360
 agaagcagat ccagaaactg ganggccagg gtacgtgagc ttgaa 405

<210> 32160
 <211> 50
 <212> DNA
 <213> Homo sapiens

<400> 32160
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<210> 32161
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 32161

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gaatcctagg	atacaactct	ctggaaattc	ttgctgtgct	ggcagctgcc	gtgtttgctt	120
tccggagcaa	gtgamcctga	tggagggtgac	atcactggct	gcagctgaaa	atctagctgc	180
ccacagtga	cagttctgca	ctgctcctct	attccctgag	ctttacagag	tccagatscc	240
atgtactgct	gaactcaggc	agaaagaaga	gtgcagttta	ttggactcca	aatctcattc	300
aacagaacaa	rgragttgag	gttgcaagga	agracctata	atgatgggtc	atgggtatar	360
cctagaaaag	aagagaaata	aaa				383

<210> 32162
 <211> 387
 <212> DNA
 <213> Homo sapiens

<400> 32162						
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ccatatattc	agcctagcgt	aagagttaag	aaaatgggtt	ttacaatcaa	acagaactga	120
gsttgrggvb	tgacctactg	ggtaaatctg	agcaagttat	tacatywttt	taaacttccc	180
tgtttacacc	tatcttgtct	tgagtagccc	gaccaaagct	attactttcc	tccagttgca	240
cacttttcc	tcttgtttat	gaaaagatca	ctttcacaca	agtatcctat	ttctagtktt	300
atthkcttk	aatattggaa	tgtggcaaaa	tgctttttat	tctctaagcb	acttgcttca	360
ctacttcaat	ttggtcgccc	ccaatta				387

<210> 32163
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 32163						
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ctttctgtga	agccttctgg	ctttggactc	ttggaaatct	artatttacc	ctgacttgkt	120
tttycgaatc	byggaaatgt	rtttatttagc	ctgtkatcag	tatcagctcc	acccttagct	180
aaagcgtca	ctgtctacac	gtgttactaa	catctggcct	aagacattca	ttgtggccat	240
gttcttataa	tagaagatat	cacctttttc	agragtttgt	ctgcatcaca	tcagctcttt	300
ccaaggaact	aaagattcct	catctcttta	tattttgcat	tgctgactaa	tttcttggtt	360
catgtctgag	gcgcctccag	tttctgcttt	tattc			395

<210> 32164
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 32164						
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ggtggcccag	gcaggagggtg	aaagcagcca	tccggaaggc	cctggggacc	cttgtgcctg	120
ttgswcggch	ttsaggtcac	ragctgrgct	gcgataggaa	aatctgaatg	gaggcagcaa	180
ayagccaaaa	caaacattcc	ccaccggcc	ctgtgcatat	gaagtctttc	ttcccccaac	240
tcttgaacgr	tgatgatatt	cagacgc				267

<210> 32165
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 32165

<400> 32169

cagagaatca	gacaatgtta	agtttagagt	ttcatcttca	tggaggtacc	agttacggtc	60
ggggaatcag	ggtcttgcca	gaaagtaact	ctgatgtgga	tcaactgaaa	aaggatttag	120
aawcttgcar	atttgrcagc	caatcagcat	tcagatgtta	tctgtcaatc	agaacctgac	180
gacagctttc	caagctctgg	atcagtatca	ttatacgagg	tagaaagatg	tcaacagcta	240
tctgctacaa	tacttacaga	tcatcagtat	ttggagagga	caccactatg	tgccattttg	300
aaacaaaaag	ctcctcaaca	ataccgcatc	cgagcc			336

<210> 32170

<211> 266

<212> DNA

<213> Homo sapiens

<400> 32170

aagcagctgg	ggcctgaggt	ttctccccc	gtaccctggg	tcacctcagc	ccagagctgg	60
cggcaagmcc	ccagcccctc	atgtcagamc	ccccgtgtga	ctgtaacctg	gtggaccttc	120
gccgctgtsc	tcgwcccca	ccccaggcc	ctgcatgcnc	cctgctgcag	aggctggatg	180
ntgggagca	gcacctgync	cccaactctg	gacgctgctt	ctacataaat	tcactgactg	240
gctgcaagtc	ctggaagccc	cccgt				266

<210> 32171

<211> 471

<212> DNA

<213> Homo sapiens

<400> 32171

ttaatgcggt	ttgtagaact	ctgcaaaatc	ctgacctctg	cctattttgt	ctctcaccac	60
cattatcttg	ctctgtctta	acctcattca	tgcctttgct	acactggaat	tacttctgtt	120
cctagraca	ttggctccca	agcatgctgt	tctttctgga	actctcttgg	cctgacgcag	180
ctcagatgtt	tctgagagga	ctaggttcag	atctctgatt	tacattccca	gagcgtata	240
tccctccct	ttttgcagca	gaggccaccc	ttggaactga	tacatcagaa	atagttttcc	300
tcttgattg	taagttcttg	agagcaaggg	gtgttcttta	cacatcactc	tgaccttgtg	360
tctagaaaa	tgcctggcac	agagcaagac	cttcgtaaat	atttggtgaa	taggaagaaa	420
aatgaacaag	tgcattgaatg	cgtgaatgat	gtagaagaca	atccagtaat	a	471

<210> 32172

<211> 411

<212> DNA

<213> Homo sapiens

<400> 32172

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agtatatgca	gggatgaaag	gcagatgggc	aaagatcaga	aagactactg	aggaagaggt	120
acagttat	agatatctgc	ttcctcatct	tctttggggg	cagcttctgt	gatgaaaaca	180
ctttatgaaa	ggtaagaccc	ccaaatacct	gttctgtaga	cattggggat	gaaaatgtac	240
atcctagcag	atgatctgg	tctgcattcc	agaacactgc	tctgacttta	gaagcagtnn	300
nnatgcata	gtatatctac	thnnagctaa	aacaragaga	gaaatbgnwt	gattganacc	360
ttctdattgc	vaaagtatgc	agaattgaca	ttcaagcaat	cttatgtaaa	a	411

<210> 32173

<211> 225

<212> DNA

<213> Homo sapiens

<400> 32173

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gcggggggtta	tggcataaag	gtaagtgcta	ggacttacac	ctggccaaag	aacagcgcg	120
tccagagtgt	gctagaatag	ttggcgccac	tggatgtgtg	gtgtggctgc	gtggaatgtg	180
tgttggtgta	tgtatgtggt	ggtgatgggt	gtttaaaggg	caccc		225

<210> 32174

<211> 319

<212> DNA

<213> Homo sapiens

<400> 32174

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ttcagtcctcc	caaagtgctg	ggattacagg	tgtgagccac	cacgcctggc	cccatctttc	120
ctttgatatt	ttatatcttc	ttccttcctt	ctttttaaaa	atttgttttg	ttctttcttt	180
tcagcagaca	catattaaac	tatatatgtc	atatagcacg	gtatttaaga	tggtatttaa	240
gatgatggac	tctggaacca	gttttgccaa	gattcagatc	ctagctcatt	tacttaccat	300
ctgtatgatt	tggggccca					319

<210> 32175

<211> 358

<212> DNA

<213> Homo sapiens

<400> 32175

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ttctactttg	catttaattt	tttacttatt	tattgaagtg	tagtatacca	taaagataaa	120
aaggcacaaa	tagtaagtat	acaattaatg	cattttcaga	aaatgaacat	atctacttaa	180
gaaatagaac	ttaacaatac	aagccccctc	ttattctctg	cagccattga	cccctttctg	240
tctggaagat	aaccactatc	ctgccttcta	atactataga	ttagttttac	ctatttttga	300
aacttataca	aacgcaatca	tgtaggtatt	catttgtgtc	ttgcttcttt	ccctgaac	358

<210> 32176

<211> 289

<212> DNA

<213> Homo sapiens

<400> 32176

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ttgacttgga	aaccctaaatt	atcttcagtc	taacgtactt	gaaatttaac	tattaaaaaa	120
gttgaggagaa	ctcaaacttt	gaagttaggg	ctccctttct	ccagataawg	cacattgcct	180
ggtttattgt	aaggcactta	gaacatgtaa	ccaaaaacac	tcaatttagg	aataggaatg	240
attgttttac	agctaagtgc	gctctcagag	tcttttgttt	tacaccct		289

<210> 32177

<211> 327

<212> DNA

<213> Homo sapiens

<400> 32177

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ccttccttga	ttaaaaagga	tgactatttc	tagtatattat	agtctctgct	cccaaatttg	120
gaggctatcc	tgatatacat	caagagtaaa	tgctatttat	caaaaagaaca	cttgagtgtg	180

ccactagtgt gatccctgct gtaacgtaca ggaacacaac tctagaactg gaaaggaaga 240
gacatgggtt tccaggacac acaaatttta aatgaagatt aataggaaaa acaaagatac 300
atcatattct tcacctgacc ttcacac 327

<210> 32178
<211> 232
<212> DNA
<213> Homo sapiens

<400> 32178
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agagagagcc tgtctcttgt gatcaatgaa aagtttttatt accccaggca tgctcaacag 120
tcctacgtta tgtcagcatt ttgtaggaaa agcattgaag gagcctcnga atatgttttc 180
caccacctac atcattcatt atatggataa tattgttttg gccactccca ca 232

<210> 32179
<211> 332
<212> DNA
<213> Homo sapiens

<400> 32179
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ggaaaatgtt tcagtatgct gaaggtgtaa aaaaaacaca taaagtggca aaaatgggtt 120
ttattagggt aggaataaag cctgatctaa atatcttaga cttgtatatt tttaaaagat 180
atcttaata catgaaagac acgcagcact atgcttagaa tgtgaactgt tggcttggtt 240
tagaatcagt cgctaaaagc aagtagaggt ttccagagcc agtacttgta cttctgggaa 300
attgtgccct tcacctaggt gtctgaattt tt 332

<210> 32180
<211> 245
<212> DNA
<213> Homo sapiens

<400> 32180
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tttaataaat agtgctggga aaactggcta gccatatgta gaaagctgaa actggatccc 120
ttccttacac cttatacaaa aatcaattca agatggatta aagacttaaa cgtagacct 180
aaaaccataa aaaccctaga agaaaaccta ggcaatacca ttcaggacat aggcacgggc 240
aaggg 245

<210> 32181
<211> 462
<212> DNA
<213> Homo sapiens

<400> 32181
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tttatagtat gaaagckgga acatggcctt gttcaacctc agctcagaat atgtgtacag 180
caagtttttt gctgtaccac aaaatttttag gttaggcaaa ttcacaaata cggaatccat 240
gaataacgag gatcaactgt actaactata tttaaagctg tgacatttat ctacctggtt 300
tatggaatag aattttattgc tgaatcatgc tccagtattt gagtgatgtt ttaaataatcc 360
tatgtctgaa aataattcct cctaattgtg tggtaatttg cttttactgt ttccacagta 420
tttcaggctt ttgctcattc actcagtaat actgagcact ta 462

<210> 32182
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 32182
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 gggtgttccc tgaaagggtga gctgtcttcc ccggtccgtt ccatggggct tgctccctgc 120
 atgtaggcag sccttdgktt ccttgccctt gccctacctc tcctctcttt aatgaggcaa 180
 gaacaaaagc aaggcgaact gttactgtca actactgtga tttaggcaga tcctcaacac 240
 catttggtt tgtgtagata ctgctttatt tatattattt attgttcaac aaaaaatctg 300
 aaatatagaa gtcatgatgc ccattttacc aatgaggaaa tctgaatctt ggaaagaata 360
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 ctgctt 426

<210> 32183
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 32183
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 ttgtgtatat gtttaacttt gggtttcttg agcaaaattt ttggactcta attattaacc 180
 acccttttga agactacagg agtttctccc tatcccgctt tgcttttagg aagatcatct 240
 taga 244

<210> 32184
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 32184
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 gtaaagcgca ggacctctt aagtgggtgt 90

<210> 32185
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 32185
 ctgaaggag atttcttgag gattctcatt tttttaagtc ttatctaata agccatgtac 60
 tagtggatat attaagcagg attttaatta tatttaaaact ttacttttt ttttttct 119

<210> 32186
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 32186
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 atgttgcct agagggtgtg gatgccagag atcctcttgg ttgcagatgt cctcaggtag 120

aagaggccat	tgtccagagt	ggacagaaaa	agctgggtact	tatatkaa	aatcagatc	180
tggtacaaa	ggagaatttg	gagagctggc	taaattat	gaagaaaga	ttgccaacag	240
tggtgttcag	agcctc					256

<210> 32187
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 32187						
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cggcccacat	ccctaggcct	tcctgatgck	sktgccctgct	ccctgggtctc	tctgcatggg	120
gaaggagtgt	tcccagcttg	caaactccag	ctttgcctgt	gagwggaa	agtgtccctg	180
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tcacccctct	cgtcttcctc	cggctgtctg	tgcattgtgc	aggccacgca	ggggatgccg	300
gcaagttcca	cgtggcccta	ctagggggca	cagccgagct	gctctgccct	ctctccctct	360
ggcccgggac	gtaccaagg	aggtgaggtg	gctgcgggtc	ccattcccgc	agcgtcccca	420
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<210> 32188
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 32188						
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taagtccttg	tagtcacatg	gttgacttga	aggatgaggt	gggtgtvtgca	tttatgagct	120
tttcctaccc	ccctgaagaa	acttcattgg	cctcctgggt	actcaccttg	aagagagtac	180
catccatttt	agtgaaaaac	acatctgtca	cctaggacat	gacatgggtg	cagttgacag	240
gaaaaaaaaa	atcycattka	gttggttttar	arttgggtggc	cca		283

<210> 32189
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 32189						
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acgatgatca	caactactgt	agtgatactg	gtgaaattca	atctcaccta	ggtgcatttc	120
acaaagagtw	aataatttcag	cagggccctc	tggagaagaa	tcattcatttc	atcagagggg	180
aaaaaaagga	ggagcattct	aggtacttca	aaagataaa	cttagccagt	caggaggggc	240
aagaagtatg	aaagagaagc	agccagcaaa	gtgatctggg	gccagatttt	gaaaactttc	300
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<210> 32190
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 32190						
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ctgtgsaaa	tttaaaggag	gacctggcat	attaactatt	tttgtaaaaa	catatttagg	180
cagcttcctg	gttcagtctt	cccttcactc	caacttttcag	tggtactcag	tatgcccaaa	240

cccagagcca	tcaggggaac	aagttgggtm	dtctcttggtt	tcactcttct	gctgggttaa	300
acttccactt	acttgggtat	agttatacac	tcactgctct	tccatttgct	ttccatgttc	360
caaaaagtgt	cttgctgtct	tatttgctcc	cattctcttt	gtcctatgag	tttgttct	418

<210> 32191
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 32191						
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ttggtgcttg	ctttctccag	ccatcgagga	ccagagccgc	ccccctgct	cgagaaaggg	120
gctcagcggc	ggcggaagcg	gagggggacc	accgtggaga	gcgcgggtccc	agccccggcca	180
ctgcggatcc	ctgnaaccaa	aaagctcctg	ctgcttctgt	accccgctg	tccctcccag	240
ctgcgagggg	ccccttcgtg	ggatcatcag	cccgaagaca	gggatggaga	ggcctctgtg	300
ctcccacctc	tgcagctgcc	tggctatgct	ggccctcctg	tccccctga	gcctggcaca	360
gtatgacagc	tggccccadk	amccccagta	cttccagcaa	ccga		404

<210> 32192
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 32192						
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gccaaagcac	aggggctcaa	aatgggtgag	ccgggggaacc	gggcgctccc	atctctgtct	120
acgtagatac	ctagtcaaac	cgaaggggaa	gcdwcctagc	atccktaagc	cctcctttcc	180
atccggtctg	catttccact	tttcattgca	atctgcttct	cttctgcacc	gccccctctc	240
ctcseccacc	cttctcccgc	cgcc				264

<210> 32193
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 32193						
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ccaaagtcc	tagatagcac	gccccatccc	atagcaccat	gtccttgctg	accagcagag	120
cggggacaga	ttagcacaca	gtccctccag	cgasaatgt	ggggacacat	tagcaaggag	180
gaggtggcaa	catggacaga	atagcttgct	cctgtttctg	agtttttag	caggtgtgtt	240
ttttagtcag	gtgagtaagg	tatgtatttt	ctcgctctat	cagtgccttt	tttaagcatt	300
ccagggttaa	agacctgcat	acgcaactaa	aactctgtgc	tcctgggaaa	tgggagtatt	360
aattccctct	gggctcctgt	tttttgtttt	gttttgtttt	gttttgtttt	ctgtctgtaa	420
aatgaggatg	ttggccaggc	accg				444

<210> 32194
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 32194						
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ggatcatatt	attaaataat	atatgcacag	acatggagag	aattagtttt	tactaaaaca	120
tttawcmgaa	aatttraata	ctctgcataa	ccagtattag	cattagaaat	tagccacttt	180

tagaatgaga	aaactgtgtc	actcttcaat	ttttttataa	gccattgagg	aaaacattaa	240
ctcvtggatt	tcagcttcac	ttttaacctg	cagactaaat	ttctttctca	attatgtcag	300
acacacccaa	gtcaatccca	acccccctgt	taccttgagg	agaccgtgct	gaaaaaggag	360
atcttccacc	taaacagtgt	tctcttattt	gaagcaaate	tttttgagaa	tttgtttact	420
tgatttcttt	ccacaataaa	ctgacagaga	acgctacta			459

<210> 32195
 <211> 445
 <212> DNA
 <213> Homo sapiens

<400> 32195						
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gtaaagaatg	tggaacttctg	aggaattttc	ttttaaaaag	aacataatga	agtaacattt	120
taattamtyc	aaggvctact	tttggttgaa	gtttataatc	tagataacctc	tactttttgt	180
ttttgctgtt	cgacagttca	caaagacctt	cagcaattta	cagggtaaaa	tcgttgaagt	240
agtggagggtg	aaactgaaat	ttaaaattat	tctgtaaata	ctataggga	agaggctgag	300
cttagaatct	tttggttggt	catgtgttct	gtgctcttat	catcacacag	gtcatgtgtt	360
gttactcagg	attctggaag	tactaagccg	tagttaacag	gctggataga	tcttcagcca	420
atcttctttc	attatactgc	tgctt				445

<210> 32196
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 32196						
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gtgttttaaat	cccttcctta	accaaagttg	ccattgtact	gtgaaggagg	ttcagagcaa	120
aggtcacmaa	cytaaccgag	acatcacatt	cccccttccc	tcttgatatg	ttctctttga	180
cttgcttgat	ggtttttttg	aaagaacatg	agtttagttgc	tagtaatagc	aaatttcaca	240
aagaaattga	gatatctggc	ttttcttgaa	agctcagatc	tggaacacct	agggccca	297

<210> 32197
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 32197						
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gacaatgacc	ttgttttcat	tattctgata	gattgtatac	atatgtacac	atacatatac	120
acatatgcac	agtcaagggtc	atgatgttga	tttgctttca	gctgtttctg	tgattataaa	180
gcattttttta	agagacaaaat	tttaactttt	aattttttatt	ttggcaaaac	tgtcaaatga	240
gaaaaatgat	tttaaaaaact	tttttttcaa	ttgacaagac	tttaagtcag	ggataaacagt	300
attaatgttc	tctgtttctgt	ttcnatgtta	aattttaattt	aacntggata	gccacattaa	360
tgaattgggtg	ctgtcaaaaat	atagtaattt	ttaaatttgt	taataatgaa	aacccttaag	420
catgcagt						428

<210> 32198
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 32198

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gtactgtttt	cattcttgaa	gtgctctttt	atgatataca	gaaacatttc	ctcatcctct	120
tggtgataca	aagtttcttg	ggccactatt	ttcagagaaa	actaagctgt	actaagctgg	180
aaatattggc	tgagggccat	tttgctcaga	tctctcctcc	catctggact	tcgtgcccc	240
gtgcattctt	aaacaccaa	tcacaacccat	ttctcacctg	ctgaagtgg	aaacagtttt	300
ctggctgttt	ccgatgttag	cattaaagat	cagatttctg	tatgtgactt	gcctttctcc	360
aatggaaaag	gtgcccattt	ctgatattta	cacnnnctac	agatatattt	atagtttctc	420
ttggatttcg	ggtaatagct	a				441

<210> 32199
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 32199						
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tatgcctgat	nrhtgatcgt	gttttaactt	tttcttttcc	tgtttttatt	ttggtattaa	120
gtcgttgcnt	ttaatttgta	aagctgtgat	aaatatatat	tatatataa	tattahhhhg	180
gaaaatgttt	cagatgttta	tttgtataat	tacttgattc	acacagtgg	aaaaaatgaa	240
tgtattcctg	tttttgaaga	gaagaataat	tttttttttc	tctagggaga	ggtag	295

<210> 32200
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 32200						
gaaaggaagc	taagcagtgg	gtacctggga	tctctctgaa	ctatttttat	aacttcttgt	60
gagtccttaag	tatttcacaa	taaaagtgg	ttaaagtaaa	ttcatagatt	aaatgtatca	120
ttatctatat	ataaacccat	gattttaa	tttatttttc	taaacatagt	attcaactta	180
gttgaataaa	tatatgatag	aagttaaata	gaatttttat	ttcattctta	agaaaaactc	240
atgtttgtaa	caaatgatat	ctaaagatct	attttgcctt	accagaaaag	aaaaaaaaaa	300
ccctaaaacc	aaaaactcct	tttccctr	argtcaaaaa	tgctgta		347

<210> 32201
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 32201						
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tgaggaaact	gaggcactga	gaggtcaagt	ctcttgccca	tggttgta	gtttccatga	120
aatagcattc	a					131

<210> 32202
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 32202						
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catgcctaaa	aaatttaaca	tgtaataada	tattcagtc	gtgctcaact	ttctaatacat	120
gttttttagac	tgcttagcat	tktggttg	agatgggtca	taatataatt	daccagttcc	180
tggtgatgaa	gcttgaggtt	atttctaact	ttccaactga	taaatagtgc	ttcaataaac	240

atccttat

248

<210> 32203

<211> 417

<212> DNA

<213> Homo sapiens

<400> 32203

tatTTTTgtt	atcgggtcttt	aatctgattg	atttgtgggc	agggcacata	ctttgtatga	60
gttaaatacct	tctgactcaa	tcctttaatt	gagagtgtgt	gtatggccta	aaatatgggc	120
tatTTTggta	agtgttccgt	gggtacttgg	raagcatagt	gttgttcaag	tctattctcg	180
ctgattttct	gccttcttgt	tctatcactt	attgagtaaa	gggtattgaa	acctcagatt	240
acctagaaat	tgtctgtcac	ttttttagt	tctatvcact	ttggtctcat	atattgtgag	300
gctggtttgt	tattaggggc	ataaagactg	aggattgtta	tgttttgttg	attaactgaa	360
ccttttacta	ttgtgacatg	acctttgdwa	tttattgctg	gaatgttttt	ttttttt	417

<210> 32204

<211> 425

<212> DNA

<213> Homo sapiens

<400> 32204

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ttgcgcgcga	ctgctcgccg	ggccagtcgg	gaaacgggtc	gtggagctcc	gcaccactcc	120
cgctggttcc	cgaagcagwt	cccttctccc	gakagtgtcg	agadactttc	ccttgtcccc	180
gacgtgcag	cggtcgggt	accgtggcag	ccgcaggttt	ctgaaccccg	ggccacgctc	240
cccgcgcctc	ggcttcgcgc	tcgtgtagat	cgttccctct	ctggttgcac	gctggggatc	300
ccggacctcg	attctgcggg	cgakatgccc	ctgggacaca	tcatgakgct	ggacctggag	360
aaaattgcct	ggagtacatc	gkgccctgtc	tgcacgaggc	aatgggtggct	tgctatccgg	420
gaaat						425

<210> 32205

<211> 186

<212> DNA

<213> Homo sapiens

<400> 32205

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ggcaggagaa	tagcttgaac	ctaggaggca	gaggttgcag	tgagccaaga	tcataccact	120
gcactccagc	ctkgggtgac	agagtaagac	tccacaaaaa	aaaaaaaaaa	aaaaaaaaaa	180
aaaaaa						186

<210> 32206

<211> 215

<212> DNA

<213> Homo sapiens

<400> 32206

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gagccaccgc	gctgggcctt	attttatttt	taagagatag	agtgttgctt	tgttctccag	120
cagaagtgca	gtractcagt	catgggtccac	tatagcctgg	aattcctagg	ctcaagtgat	180
cattctgcct	cggcctccca	agtagctgga	actac			215

<210> 32207

<211> 464
 <212> DNA
 <213> Homo sapiens

<400> 32207
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 agtttagagt gcattaacat tctaattctcc ttgagaatgc cttttatagt ctgttcaaag 120
 caagtcattg awgggtyctt cgaggtagtg ttaactgaag tgttcttcag tttgtcaaga 180
 taatgttcag tgcttggcac ttaaataaca ttttttgcaa gaactccrrg gcacattatt 240
 gaatgccttt aaccaagtgc attctdggaa gtttgcttga ctcattatct tgcttttctg 300
 cagcattctg tgatttgagt catccatgaa tccatgaata aaagttacat tctttgattg 360
 gtaatattgc cattttataac aagactcact aatgagggta tcactttgac tgactgattt 420
 gttaaagttt tkaagcctct cattttccta acccagaat caca 464

<210> 32208
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 32208
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 ctactttaaa gtcatatgga accaaaaaag agcccgcatg gcgaagtcaa tcctaagcca 180
 aaagaacaaa gctggaggca tcacgctacc tgacttcaaa ctatactaca aggctacagt 240
 aacaaaaaca gcatggtact cgtaccaaaa cagagatata gatcaatgga acagaacaga 300
 gccttcagaa ataatgccgc c 321

<210> 32209
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 32209
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 gcaggtaaag ttgaaaccca cagtggctta ggacgagctc ctgcacagcg gcctgtttcc 180
 caattgcata gtgtatctct ttgcctctct tggctcagcc atggccccag ccccaggcca 240
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 ggggctagag gagctgaaat cccagngcaa caagggtatt taaaaacaca tcgcagagaa 420
 acagctaaag agtcttgtaa ccaggaatca taagctgttt gatgggatga actatcttgg 480
 gagtgaagc a 491

<210> 32210
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 32210
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 tcttccaaga gcttagatga gagcatatca tcaggaaagt ttcaacaatg tccattactc 120
 ccccaaacct ccctggctct caaggatgac cacattctga tacagcctac ttcaagcctt 180
 ttgttttact gctccccagc atttactgta actctgccat ctccctccc acaattagag 240
 ttgtatgcc a gccctaata ttcaccactg gcttttctct cccctggcct ttgctgaagc 300

tcttccctct ttttcaaag tctattgata ttctcccatt ttcactgccc acc 353

<210> 32211
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 32211
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 attcctctat grrgaccatg gtgttttggt tatatccttc ttctttttta atgtataatc 180
 aaattcttat tattttctat tttattactg tcttttcacc tttcttttcc tatttggtgc 240
 agaattttta aggggccctg agatagcttt gcttcgtaag cgcccgcaac aactgaggcw 300
 nnagaaggct gagcagcaga ggcagcaaga gctagctgca cataccagc aacagccttc 360
 cacttctgat cagtcttctc atgagggctc ttcacaggac cctcatgctt caggttatta 420
 atgtcaagtg tccttaagca gctgatagaa ttgtttttta atactgctac tgtgta 476

<210> 32212
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 32212
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 attggcagtc actcgccatt tctaagcaga tatagtacta cctttcagaa ctcacattgg 120
 caagtgtaaa aaggatgrca t 141

<210> 32213
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 32213
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 ggaagaggag ttgctagtac tggcattggg tttcctttct cttttttttt tttttttt 118

<210> 32214
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 32214
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 cgggcgagcg gcgacggcgg cggcggcggg c 91

<210> 32215
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 32215
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 acatttggtt cacctaggca gaactcttga gaggaacttg gtaattgcat tgatttgta 120
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aactggcac

189

<210> 32216

<211> 428

<212> DNA

<213> Homo sapiens

<400> 32216

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taacacagga	acaggaaacc	aaacaccaca	tgttctcata	agtgggaact	gaacaatgag	120
aacacatggr	macggagggg	gcaraaasac	acaccggagc	ctggtgggaa	ggtaggggga	180
aggagagcat	caagataaat	agctaattgca	tgtggggcct	aatacctagg	tgatagggtg	240
atagggtgcag	caaaccacca	tggcacatgt	ttaactatgt	aacaaacctg	cacatcctgt	300
acatgtatcc	tggaacttaa	aataaaatag	aaaagacaaa	gaaggatatt	acataatggc	360
aaaggcttca	attcaacaag	aagacctaac	tatcctaaat	atatattcat	ccaacacagg	420
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<210> 32217

<211> 449

<212> DNA

<213> Homo sapiens

<400> 32217

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cgggggaggt	aacgtccctg	agtcacgcct	cgtggaagag	gggaagggct	gctttctact	120
ttctcgttct	cyttcaaaga	aggatggcct	ctaaatctgg	ttttccgatt	tttcccttct	180
cctttcatga	ctcacaggcc	tctgtgtcca	ccagggtgtt	tggttggttt	taaagagttt	240
ctaagctttg	tgttcttgga	agaacctcat	atgccccata	aaggaacttt	tctctgaagt	300
agaggatcgc	tttttgggcc	cagactcctt	tgagaaaatc	tggaagcca	aggttggtct	360
tttaaagaat	tattgaagac	gaagggtttt	ttctttttat	ttttttaatg	gctttacaga	420
atcttaata	gaatacagtt	tgacatgac				449

<210> 32218

<211> 440

<212> DNA

<213> Homo sapiens

<400> 32218

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actgtaaaaa	cagagtctaa	tatgggaaaa	taaatatgaa	aatagcatga	aatgctgttt	120
cccagrttgg	cvagataaga	ccagaacttg	gtccaagagc	cagccacca	gggagactcc	180
tgctttccac	agaggagacc	aggttcctgt	cgtgctgggt	gttcgtgtca	ggcagtcctg	240
caaactttga	gtctgcgcas	gtgccagaat	agcttggtgt	tcagtcctgt	gtcaagaagc	300
hngtgdracc	asangttgga	gaaaagcatc	ayacgtcgac	ttacactttc	tcatttccca	360
cgttccagtc	tcctgggaag	ggcactcttt	cgccacgttt	tcctgvntct	tggtcaaatat	420
taactctttg	cagatcacta					440

<210> 32219

<211> 105

<212> DNA

<213> Homo sapiens

<400> 32219

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ccacaagggg tgacaccatt tgtttacagc totateccac ccctc

105

<210> 32220
<211> 412
<212> DNA
<213> Homo sapiens

<400> 32220
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gtttaaaaac ttaaaaactc actcaaaacc actcaactgc atggaaactg aacaacctgc 120
tcctgaatra aaagtgggta tataatgaaa tgaaggcaga aataaagatg ttctttgaaa 180
ccaacgagaa caaagacaca acataccaga atctctggga cacattttaa gcagtgtgta 240
gagggaaatt tatagcacta aatgcccaaca agagaaagca ggaacgatct aaaattgaca 300
ccctaacatc acaattaaaa gaactagaga agcaagagca aacacattct aaagctagca 360
gaaggcaaga artaactaag atcagaggag actgaaggaa atagaggcag cg 412

<210> 32221
<211> 331
<212> DNA
<213> Homo sapiens

<400> 32221
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caaaacttttc taggatgaag acagcttatt ttttaagttgt atagtcttag ttggtttagg 120
gtctcaattt taaatwrgta raatacttgg tktktatktg cttgtccttt tgaattcctg 180
ttttaataat tttaaaaatga gcacaaagaa tgttgaagtt cagattaatc tcttctgaat 240
gatgtktttt tcvttctgtga tgagttgttt ctgacttttt tccttttgta tttgtaatgt 300
tgattaagat gtaaaataaa aagtgtgccc t 331

<210> 32222
<211> 182
<212> DNA
<213> Homo sapiens

<400> 32222
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tactgtagca catgttggca tcaacagtat attttctcat gctgagtgtc ttcatgtttc 120
atgtaagtca atcttacttg aaagttttta gacttttaac acgatggcca taacctgaca 180
tc 182

<210> 32223
<211> 297
<212> DNA
<213> Homo sapiens

<400> 32223
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cacctcatgt ttagccatc aactgtcaga tctggaaaac tcaattttgt tggtagctga 120
gaaatgctat ccaarwcatg ctatccaaat acaagacttg gaaatataaa ttagattara 180
acacgatgta ctgatttaca atgaaaatta taactcgtac ggatcagaat tcttctgtgt 240
ttcatgtctgt tctcaagtct gtttactcag tctttctttg gataagaaat actttta 297

<210> 32224
<211> 220

<212> DNA

<213> Homo sapiens

<400> 32224

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gccctcagat	tccagaatcc	aatttccttg	atttcagtgt	ttttaagcta	ctcgggaggg	120
tgaggcagga	gaatcgcttg	aacctgggag	gcggagggtg	cagtgagccg	agacaccatt	180
gcaccccgag	ctgggcaata	agagcaaac	tccgtctggg			220

<210> 32225

<211> 153

<212> DNA

<213> Homo sapiens

<400> 32225

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gagtcctgtt	ctgtcgcta	ggctggagt	cagtgccgt	atctcgctc	actgcaagct	120
cgtctcctg	ggtttaaac	attctcctg	atg			153

<210> 32226

<211> 223

<212> DNA

<213> Homo sapiens

<400> 32226

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gctttgtaca	actgaggagt	tacagtgaag	tgtaaccag	gggtccaggg	agcgagttga	120
aaagatggag	tgagtgtatt	tcagccagg	gagctgcagg	gtggatttga	ggggccatac	180
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<210> 32227

<211> 197

<212> DNA

<213> Homo sapiens

<400> 32227

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aaataggrta	tattggaatg	aagacatgta	tgtaaatgcc	agggagttag	gaccatagat	180
cgttttgagc	agaagg					197

<210> 32228

<211> 409

<212> DNA

<213> Homo sapiens

<400> 32228

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agatgaaaat	tacgtcaatg	aaatagaaaa	catagaaaca	taggaagaac	aaaaatgcaa	120
aaacttggtt	ctttgaatag	actaacaata	ttgataaatc	ttttatataa	ggttaatcat	180
aaaaacccat	gaataactct	atcgagaata	aaactatatc	aggaataaaa	atcatataag	240
gaataaagaa	acagagactt	ccctcagatt	ctacagaaat	ttaaaagatt	gcaagataat	300
atnnacaact	ttgactaaat	gtgaaagtaa	aatgggctgt	tactgghnaa	gnataactta	360
ccaataatgn	ccaagaaga	aatagaaaac	ctgagtagtc	ttatatcca		409

<210> 32229
<211> 210
<212> DNA
<213> Homo sapiens

<400> 32229
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caaaactgca gctgaaataa taccttagat ttctaggtaa gtctttccac atttcaataa 120
tgggtaagag tagmaccagg gccgggtatc aattattgck tgctgtttgc aaccaggcat 180
aaaatcactt tctcaaatca tccaccgcat 210

<210> 32230
<211> 183
<212> DNA
<213> Homo sapiens

<400> 32230
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tgtcagctaa gttcacttct gaactaaggg gttcctccaa atgttggtg aaattcatcc 120
caaggctggt ctgcaaagtc tgcaattcat aatggagcta ctgtactggc tattggaagg 180
agt 183

<210> 32231
<211> 299
<212> DNA
<213> Homo sapiens

<400> 32231
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ggatcacctg aggttaggag ttcaagacca gcctggccaa catggcgaaa ccccatctgt 120
actaaaaatg caaaaattaa ccgggcatgg tggcactgcc tgtcatctca gctactcagg 180
aggctgaggc atgagaattg cttgaatctg ggaggcggag attgaggctg cagtgagccg 240
agattgcgcc actgcattct agcttgggca acagagttag actctgtctc aaaaaaaaa 299

<210> 32232
<211> 469
<212> DNA
<213> Homo sapiens

<400> 32232
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gggtgcatga agtgaatggc tgaaagctct tcatagaagg aagggtggtt acatctgtgt 120
gcctaggtgr aamykgtttt agtaggtttc atagcagagt aacaaacagg agaaaacagc 180
ttctaataatt tgtcatgat tagtcttctc agtttaactt cttagcattt tgagttttatc 240
cagttttctc aagtaataaa aaataactgtc taaagggtta tttggttttc tcttgagaga 300
gaaatagtaa gatatgcata gttaattcta cacttccact atgattgaat gagaaaagac 360
ctttatcaaa actatttgat aggttacggg cacaaataga ttagctttta gtacaagttg 420
aatacttcat gctgctgata cggaacaatg gattatttga ttcgggcatc 469

<210> 32233
<211> 426
<212> DNA
<213> Homo sapiens

<400> 32233
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gactgccttt agtgagctct ctcataggag agactgatat atgagctagt aattgtaatg 120
aagkgkgraa argtgctgta mctattgtat gatgagttaa gagagtatga aattgaaacc 180
agggaaaatt tgctttcccc tccaaaacaa ttgcctgggc tttttgccat ctctgaatcc 240
tatacataca gattacaatc accataatgt attgtgaggc tgtatcttta ccccccaga 300
cctcagttta gtaggggaga aattttgcat cttctcagct ttgtatatct aagtatttgg 360
catatactta ggtgaatcca ttgkdkattt gaattgcatg tgggtcattt ccagcaaaag 420
ggatgc 426

<210> 32234
<211> 255
<212> DNA
<213> Homo sapiens

<400> 32234
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gaaattatatt tactgtgttt catcaatcta atgtttatatt ttattacacc agtaatttcc 120
tcatttggtt kgaatcttac agtggcttat aaatctacat gtacctagaa atgttttagcc 180
agtccatgta tatttgatgt ggcacatttt ttcctttgaa tcacatactc taagagaagt 240
aacttctct tgcta 255

<210> 32235
<211> 209
<212> DNA
<213> Homo sapiens

<400> 32235
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agcagtaatg ttcatagggg gcgagatgcc tgctatgaaa cagcaactct caaacatttt 120
tatctcaaga ccatgtgttt atgtgagcta tatatattat tatattaaat attaaatttt 180
taaaatattt atttatgggc caggcacgg 209

<210> 32236
<211> 163
<212> DNA
<213> Homo sapiens

<400> 32236
ctgctccttc tccctggaat gtcctttcgc cagatagctt tgcagcttgc tccctccttc 60
cttcagatct gtactcagat atccccgctg tggccaggct gtccatggca gtcttacgat 120
tccagcccct ctctgcaac tttttctcct tagccctcta cga 163

<210> 32237
<211> 244
<212> DNA
<213> Homo sapiens

<400> 32237
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gttttttgaga cggagtttgc actgtcacc aggctggagt gcagtggctt gatctcagct 120
cactgcaagc tccgcctcct ggggttcgcgc cattctcttg cctcagcctc ctgagtagct 180
gggactacag gtgcccacca ttatgcctgg ctaatttttt gtatttttag tagagacggg 240

tacc

244

<210> 32238

<211> 298

<212> DNA

<213> Homo sapiens

<400> 32238

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actccaagaa	ggtgactctc	taagaaaaac	aaagtaattg	gaggcagaat	ccctgtgttg	120
caattaattc	accaggttac	cttgaacaag	agctctgcag	ccctttccct	gnccctcagt	180
acagcttgag	catcccta	cccaaaatcc	aaaaccaca	atgctccaaa	atccaaaact	240
ttttgagcac	ctacatgacg	ccacaagcag	aaaattccac	atctggcctc	atgcaact	298

<210> 32239

<211> 483

<212> DNA

<213> Homo sapiens

<400> 32239

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attgcagaag	gctgtggatt	aattgtagca	tttactgat	cttcactcca	gtcactaggg	120
acaatagaaa	cctgcaaaac	acagattcat	tcgtaaatat	tattaatagc	ttattaaagg	180
aaatggctct	trhtaattcc	agtcagataa	tggcattgta	cagacatggg	aaacaaccaa	240
tttttttggt	tttcagttgt	tgctatgaat	gattttgagc	cttttttttt	aagcttggca	300
aacatcccag	ctaatacaaaa	tagtcatatt	cctgagaagt	aggaaactaa	aacttctttt	360
catataattg	ttagaagggt	tgtttcccaa	actaccatag	ttacaaaagg	gaaaagccaa	420
attttaggac	agaatcaaaa	gaataaaaaat	ctgtgaagag	atctactact	cttccttcta	480
tgt						483

<210> 32240

<211> 239

<212> DNA

<213> Homo sapiens

<400> 32240

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acccttaaag	acctactggt	cgaatttctg	aggttttttt	gttgttgtct	tgacttttag	120
cagcatttaa	aacattctct	taaattagka	tcttttaggat	cttcattggg	atcattacat	180
cttttgtata	aggtcaagga	aaaattccaa	agtttaaggc	cagcctaggc	aatactatt	239

<210> 32241

<211> 348

<212> DNA

<213> Homo sapiens

<400> 32241

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ctcatagatc	ttctttgaga	aaccagtgat	actgaaagac	aagggggtct	acactcttgc	120
gttaggggtt	cargraagta	gaattgggtc	aggaagagaa	agatcacttt	caggctgata	180
agttgcaatc	accagagtg	gtagagtgtg	gatttgggag	ttaaattacc	tagtgctgca	240
taacataata	gaywcggwya	gaagtggatg	gtggcttaag	aataagtatg	tgagtktttt	300
tctcagtgat	ctttgtgcha	gtagagcact	ggattagcca	ggagctat		348

<210> 32242
<211> 208
<212> DNA
<213> Homo sapiens

<400> 32242
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ttctgcttct cccagcttct ctgtccatct cccccaatgg cctctctcta cactctctgc 120
ctcagsttcc aagtctctgc tggctccctag gaagcacttt gacctctgct tccccttcaa 180
atgctgtgga tcaagcctcc ccaacccc 208

<210> 32243
<211> 89
<212> DNA
<213> Homo sapiens

<400> 32243
ataatgaccc aggctgwkaa ggggtgatacg gagaacggaa aggagaaggg cggcgmgaag 60
gagaaggagc agcgcggcgt gaagcggcc 89

<210> 32244
<211> 176
<212> DNA
<213> Homo sapiens

<400> 32244
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attcaatact gggtaaaaaat ttcagacctt tctcaggaac acagaaatat ttgggtgtcct 120
gataagsact ttctagacta ttgatgtggc caggartttg gaaagacgac acactg 176

<210> 32245
<211> 161
<212> DNA
<213> Homo sapiens

<400> 32245
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tctgggtgat gcaaaaaatg gaaaaacaga agccgtttat aaaggatcta taactttttg 120
tagcaacgtg ggagaaatct tgatagtaat tttttttttt t 161

<210> 32246
<211> 175
<212> DNA
<213> Homo sapiens

<400> 32246
attcacaaca ctgtgtagct gcctcctata ctgaatagga ttaacttgta tagcaataag 60
gtactgcgga aatgatagag tatgagatag atataaaaga cactgtggct tccagcttat 120
gcgttcttgc tgtccttttg ctctggagaa aaccagttga cgtatcacag ggcgt 175

<210> 32247
<211> 375
<212> DNA
<213> Homo sapiens

<400> 32247

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tggaacttca	ctgagatgca	aatcaagaa	ctgaagccta	gttgctagat	aacaaaaagc	120
tataaatgtt	atgtatgtga	attttaaatt	agaataaccg	tcttaaactc	ctacttgcca	180
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taagtcatga	aacccttagg	aagaaaaaca	agttatgact	tattcactaa	aattgatgca	300
agacagttgg	ttctagatga	ccatggccat	gtgttcacat	tataaaacct	tcagttctct	360
ctatggtgct	tggt					375

<210> 32248

<211> 331

<212> DNA

<213> Homo sapiens

<400> 32248

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cctaactcca	gacggggtct	cactctgtcg	cccaggctgg	agtgcagtgg	cacaatctca	120
gcttgctgtg	avctcagctc	tctgcgacct	ctgcttgctg	gactcaagcg	atcctccac	180
cacctcagcc	tcctgagtag	ctggaaccat	catatkcacc	agcacgcctg	gctaagtatt	240
ttgtgttttc	ttttttttta	atctctagag	acaggatcnt	gttatgttgc	ccaggctggt	300
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<210> 32249

<211> 258

<212> DNA

<213> Homo sapiens

<400> 32249

ctatatatgc	tacatcttat	ttatctattc	gtctgttgag	ggacacttag	gctaattccc	60
tatcgtggca	gtggtgaata	gtggtgcat	aaacatgggc	atgtagatct	ctctttgata	120
tactggtttg	ttttcttttg	ggtgtatacc	tcgcagttag	agtgcaggat	taaatggtgg	180
ttgagaaatg	accatgctgt	tttccgtaat	agctgtacta	atcttatattc	ccatcagcag	240
tgtaccagag	tgtccctc					258

<210> 32250

<211> 267

<212> DNA

<213> Homo sapiens

<400> 32250

gaaggggtgt	caaactccaa	tggaagaggt	ttaggaaaag	acctttttaca	aatccaaaga	60
tgtttcacag	tgggcgaggc	tggtgtggcg	acagttagtg	cccacatggc	tggtgtggga	120
gccagctctg	cccatgaggt	gccgtgtggc	tttgcagtgt	ggcctcacaa	tcccagcttt	180
gtntcttccc	caggagatg	aggctggtga	tgctcaagat	ctcagaggcc	ctgcccaggc	240
tgagtatctg	tatataatat	ccccctc				267

<210> 32251

<211> 478

<212> DNA

<213> Homo sapiens

<400> 32251

actattgact	aactgtccat	acaaaaacat	acaaaagtcc	atattcatag	aatttttgag	60
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gtgtgtaatg	gggattatgg	gaactacaag	atgagatttg	gggtggggaca	gtcaaaccat	120
attagtatag	aaggaattag	gtatagaaag	aactgatcta	tgtgggtgat	gcctattgta	180
gtccttacat	cctgtaattc	ctgcattaga	attcagtgga	attattgtta	ccattatatt	240
attgctatgg	tcattattta	ttgtttttta	ttgcctttgt	attaaaggag	gtgcttggtta	300
tggcatgtca	tawattatta	tattatgaga	acacttcaga	gcttcagggt	agatacccaa	360
tttttgactt	gatctctgta	ctcagtttatt	tcacaagccc	tacaacctca	aaactggagt	420
tcattggtttt	cctctaacca	aacccatgac	ttccaaacct	tatgtctcct	ccagtgtt	478

<210> 32252

<211> 343

<212> DNA

<213> Homo sapiens

<400> 32252

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taaaattttt	tgagcctgcc	taaaggccag	atgctatcag	cagctgaaca	gcctctacaa	120
aaaccagctg	gaaaagamca	gaagcagaac	aactggtttg	ttggagagat	ctgataacaa	180
aaatttgggg	aataggtaac	ataataactt	ggggtagagg	ttatgcttgt	ggttctccag	240
gactgaatca	acagccaatt	tgataccat	cgagacacct	gaaaccttat	catgagccag	300
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<210> 32253

<211> 142

<212> DNA

<213> Homo sapiens

<400> 32253

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tcaaattgga	atatggacag	aatatatgag	acaacctgtt	cacaactgtt	taatgaggag	120
gttatccaac	attaaggaat	aa				142

<210> 32254

<211> 387

<212> DNA

<213> Homo sapiens

<400> 32254

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tgactagact	ggawastsc	cytctgctga	ctgctgttgg	mcacattggy	taattgataa	180
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<211> 448

<212> DNA

<213> Homo sapiens

<400> 32255

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tgtccacctg	ggttcagaat	tgtgctggac	atgggataca	caaagtttca	attggcctct	360
tggtgccaaa	gcaccatggc	gtgttacacc	tatcagwtcg	ggcacactgc	cccttcttcc	420
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 <211> 235
 <212> DNA
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<400> 32256	
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gcattttaagt	180
ggtccatatt	235

<210> 32257
 <211> 305
 <212> DNA
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acaacaatga	240
aattgtctta	300
ccaat	305

<210> 32258
 <211> 108
 <212> DNA
 <213> Homo sapiens

<400> 32258	
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tccacgcaac	108

<210> 32259
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 <212> DNA
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agcaattctc	415

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<211> 181
<212> DNA
<213> Homo sapiens

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atcatgggtt ttgcctttkg ktgtkgtatt ttatcctctg ttggtaatac tgaatggtag 180
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<210> 32261
<211> 317
<212> DNA
<213> Homo sapiens

<400> 32261
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gcagcggagg cgatcttga ggacgaagag gagkwgaaag tggcgacccc gctggggcat 180
cggctgattt gaacaccagc ttttctgggg tggatgaaca tgcaccgata agctatgagg 240
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agttgaagac tgcccac 317

<210> 32262
<211> 412
<212> DNA
<213> Homo sapiens

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gaataaacat gtggmtttta tcaatttggg aaacatttat tgcataccct cacaggbhta 180
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tcaaaaatgt acatgtgatt ataggaatga gaatttgata tgaataccct gaagaatttc 360
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<210> 32263
<211> 247
<212> DNA
<213> Homo sapiens

<400> 32263
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cctacgtctg aaatttgcct ttacgaactt taataaaaata gtttagctaat agaaaaacag 180
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actccgt 247

<210> 32264
<211> 460
<212> DNA
<213> Homo sapiens

<400> 32264
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 <212> DNA
 <213> Homo sapiens

<400> 32265
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 ctctgatatt tttgtctgac tctaagtgrt ctagacyaat ttgtycctaa acatwakcta 240
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 ctaggtctga gaggaatcct attgtatttt caaaagctct ccaaattttg taaccactag 360
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<210> 32266
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 <212> DNA
 <213> Homo sapiens

<400> 32266
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 gctgtcatgc tgtgctgttc csagcattca cagagactgc acaagtgcc a ttggtttggg 180
 gcaaactctgc ttctaccgaa aagatgaaaa a 211

<210> 32267
 <211> 312
 <212> DNA
 <213> Homo sapiens

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<210> 32268
 <211> 118
 <212> DNA
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<210> 32269
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 32269
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 cgacatagtg agacctgtct ctacaaaaaa tatataatta gctgggcgtg gtggcgcgcg 240
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<210> 32270
 <211> 309
 <212> DNA
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<400> 32270
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 gccaaaggtg gcgcatcaca tgagatcagg gagttaagar gaccagcttg accaacacgg 180
 ggaaatccca tctcaactag ctgggcgtag tgggtgcacgc ctgtagtccc agctacttga 240
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<210> 32271
 <211> 110
 <212> DNA
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<400> 32271
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<210> 32272
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 <213> Homo sapiens

<400> 32272
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 gttcctgacc tagcgtttac tcacagcttt cccaggggct cattgcmatc ccacacctct 180
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<210> 32273
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 acgaaccaga cat 133

<210> 32274
 <211> 480
 <212> DNA
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<400> 32274
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 gttcgccctg gatgagctgc cgstgccarg tggscwtcac agdtagagat cagggactgt 180
 aaccgaaaa tagagaaaag agtcttttcc cttcttgggc agggcagcta tccccattta 240
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<210> 32275
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 32275
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 aactttgact gacagatagt gggcttgac tttgcttagg gaaagctggg gctgccacct 120
 gccctctcac ccctcca 137

<210> 32276
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 32276
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<210> 32277
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 32277
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accccatctc	tactaaaaat	acaaaaatgc	ccggtgtggt	ggtgcatgcc	tgtggtccca	240
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gccgggatca	ccccactgc	agtccagcct	gggtgacaga	gtgagactcc	atctcaaaat	360
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 <212> DNA
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	tctcccaatt
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	180
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	acaaaacttg
	gctgtat
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	240
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<210> 32282

<211> 138
<212> DNA
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cagtagccca accctctt 138

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<211> 261
<212> DNA
<213> Homo sapiens

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tgtaaataatc ataaaccttg acagtgatgg aatgatgaag ctgagagaag tctgaagaaa 180
tggaaggagt gtgtagggtgt tctaacatcc acaaagcaca cagcagggta ccagtatttt 240
ctgggtaagg ttgaggggca a 261

<210> 32284
<211> 258
<212> DNA
<213> Homo sapiens

<400> 32284
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aaaatatatta aaaagcatct ctcrtaawctw vcttctttgt cattgctgcc attttaactg 180
aagcaaattct ttatgacatc tgaaatgatg gttggatgca attaaaaaaa aatctatgtt 240
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<210> 32285
<211> 438
<212> DNA
<213> Homo sapiens

<400> 32285
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<210> 32286
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<213> Homo sapiens

<400> 32286

0013999.022400

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<210> 32287
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 <212> DNA
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 <212> DNA
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 <213> Homo sapiens

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tttttgacaa	atgcagggta	cctacttttag	cagtaggcca	gttctgagac	aatataaaga	420
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<210> 32291

<211> 213

<212> DNA

<213> Homo sapiens

<400> 32291

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agtttttatt	cttatattat	gaagggttcc	tttgccctagc	agtggccgctc	aaactgatgt	180
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<212> DNA

<213> Homo sapiens

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<210> 32293

<211> 94

<212> DNA

<213> Homo sapiens

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<211> 292

<212> DNA

<213> Homo sapiens

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<210> 32295
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 <212> DNA
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 aagcttgccg gtggagataa aagatagatt ttggctggat gtgatgactc atgcctgtga 180
 tccctacact ttaggagggc acagcaggag gatcgctga gcccaggaat tcaagaccag 240
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<210> 32296
 <211> 98
 <212> DNA
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<400> 32296
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 atcccaggga tgmasaatgc gaaagaattg tggcagga 98

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 ataactggwc tattaagttc tattcttttc catatyccaa tgcattttcc atcctgccaa 180
 catttacgtt ttcaaagcaa accctgcc 208

<210> 32298
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 32298
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 tcaggtagag gctgtgtgaa gsswcaagar gggaaagtgt gaggrcacag gaaggggctg 180
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 ggctgtgtga agccacakkc agaggcagt tgaacatgc 279

<210> 32299
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 32299
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 gttattaggt caaaacaktt ttatgggaga agarstagta agcgcagtat atggaactaa 180
 atttaaaata atttgaaaag gatactgtct aagggaatca aacaagaata acaggggc 238

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<212> DNA
<213> Homo sapiens

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gaaaaaagag tagagttgtc tgctattcat ttctcgtcag aagtctatcc aaaaagtgat 180
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cccacagttt ttcttagctt tgtaaatacc agttccatct ttctagttgt ttatgccaga 300
aatttttagt catttttggg wttatttttc ctatatccac atcgagttat cagcagaact 360
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<211> 472
<212> DNA
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<400> 32301
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cttggaart gtgttgctgg aaaagatctt ccagagggag cagtgaagg gctctgcaaa 180
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<210> 32302
<211> 309
<212> DNA
<213> Homo sapiens

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caaggaaatt gaattttgvg aaactaaata gagtaacttg tctggtctca cattgctaaa 180
aacgacagag ccagcattca aatccaggac ttggtgaatc cagtacttta aaatatcact 240
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<210> 32303
<211> 174
<212> DNA
<213> Homo sapiens

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<210> 32304
 <211> 181
 <212> DNA
 <213> Homo sapiens

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 tcaaaaaatt gtcagcatgt kgaaactgag tcaacttaaaa aattgagtag agggcataag 180
 g 181

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 <211> 429
 <212> DNA
 <213> Homo sapiens

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 atgtcgggaa gttcttttcc ccgtaagatc ccggagaatg tcctgaggct gccgtgtgga 360
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<210> 32306
 <211> 183
 <212> DNA
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 aca 183

<210> 32307
 <211> 224
 <212> DNA
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<400> 32307
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 tcttcattct cctttgctaa tttttcctct tttcttccat gtcttataag atggtttcac 180
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<210> 32308
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 <212> DNA
 <213> Homo sapiens

<400> 32308

004220" 66E7550

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gaattgaaat	tttggtgatg	gtttgggtag	actttttttt	tatatcaagt	ataattttaa	180
acatcagatt	aaataattac	actgttcagg	cttttaaaaa	aataccactg	tgagaataaa	240
gcgctagtaa	gatacatcac	ttactgattt	taaaaatata	gaaagatttt	gagtaaattt	300
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<210> 32309
<211> 200
<212> DNA
<213> Homo sapiens

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<210> 32310
<211> 268
<212> DNA
<213> Homo sapiens

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tgagttgttg	gaaagcctag	ccctctcaga	ttcagggttc	agaaagaatt	accaggtctg	180
gtaaaattgt	ctgactagcc	cttagcctca	gaatgggtcaa	cttcatagta	taagcaaaga	240
aagtgggtgat	ctcatatagt	cagctttt				268

<210> 32311
<211> 186
<212> DNA
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<400> 32311						
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catgtcactg	cgctccagcc	tgggtgacag	agtgatactc	tgcttcaaaa	aaaggaaaaa	180
aaaaaa						186

<210> 32312
<211> 165
<212> DNA
<213> Homo sapiens

<400> 32312						
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ttttgttccc	taagctttat	aataattaaa	gctagtaact	aatttcaaga	ggatgaattg	120
aattctcttt	gcttcctaaa	gaaataatac	taccaatacc	aagta		165

<210> 32313
<211> 449
<212> DNA

<213> Homo sapiens

<400> 32313

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gtaaaggcca	ggcgcggtgg	cttacgcctg	taatcccagc	actttgggag	gccgaggcag	180
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gatgctcagc	aggttgagac	aggagaatbm	ctgaggtaat	aggcatgagc	cactgtgcct	360
ggccctccta	ggttactttt	acatatagct	tttttatttt	attttcattt	attatttayk	420
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<210> 32314

<211> 114

<212> DNA

<213> Homo sapiens

<400> 32314

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<210> 32315

<211> 488

<212> DNA

<213> Homo sapiens

<400> 32315

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acaaagtga	tacacctttg	taatcaccat	acatgaaaaa	ataaaatggg	agctccacct	180
tggaagcctc	ccttatgtcc	gttcctaagc	actacttctc	ccctctccta	aaggtaatca	240
catcctgatt	tcttttttgt	ttttcttttg	agataggatc	tcactctgtc	acccctgabg	300
gtgtgcagtg	gtgagatcac	ggctcacggc	agcctccaat	tcctgggctc	aggtgttctc	360
cccaccttag	tctcctgtct	gctgagtaat	tgmgaaccaca	ggcraacacc	ragcatacct	420
ggctaatttt	tktbatyatt	tgtaghaaca	tggtctccct	gtgttgccca	ggmtagtttc	480
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<210> 32316

<211> 419

<212> DNA

<213> Homo sapiens

<400> 32316

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tgtttatttc	tgccttcatt	tcattattta	cccagtagtc	attcaagagc	aagttgttca	120
gtttccatgt	agttgagcgg	ttttgagtga	gtttcttaat	cctgagctct	aatttgattg	180
cactgtgggc	tgagaacagt	ttgttgtgat	ttctgttctt	ttacatttgc	tgaggagcgc	240
tttacttcca	actatgtggg	caattttaga	ataagtgcaa	tatgttgctc	agaagaatgc	300
atattctctt	ggtttggggg	ggagagttct	gtagatgtct	attaggtctg	cttgggtcag	360
actaagctca	agtcattgat	atctttgtna	aacatctgtc	tcactgatct	gtctaatat	419

<210> 32317

<211> 260

<212> DNA

<213> Homo sapiens

<400> 32317

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aagcgcaggc	agattttaatt	tgctaaatag	actaacagga	ggaaaaaac	aaacagccta	180
gctttaaaaa	acagtgaata	gcagtgattt	catgtccctg	tatgttctga	ttaagtctta	240
tatgcagaga	ggacagagcc					260

<210> 32318

<211> 204

<212> DNA

<213> Homo sapiens

<400> 32318

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agacacgtgg	tgagaaatta	gaacaaactg	gagacgggcc	attgacacat	ggactctgcc	120
tgggcatgtt	aggttaattc	tttgactcca	agccttaaaa	tactcacatg	gagtcagcgc	180
tcacctcatt	cacacaacat	acga				204

<210> 32319

<211> 237

<212> DNA

<213> Homo sapiens

<400> 32319

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aagtatttct	attgcaggat	ttctttgagt	ctttactatg	tattacgaac	ttatagcatt	120
ttccaargtt	taattgagca	taaaacattt	ttktrcaaaa	agactttaca	agtcaagtat	180
tccagagaac	tttaaggagc	acttttctaa	gtaaatcttt	tggaccttaa	agcgata	237

<210> 32320

<211> 241

<212> DNA

<213> Homo sapiens

<400> 32320

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tggttgcaca	acatcgtaac	atactaaatg	ccactgaatt	gtgcacttta	aaattgttaa	120
ttttgttatg	aatttcactt	caataagtta	ttaaaaaaca	aaaccatagt	ctctcagtca	180
tgctacttaa	tgttccta	gaccataact	gagcttcctt	agacctcccc	aaaagccctg	240
c						241

<210> 32321

<211> 235

<212> DNA

<213> Homo sapiens

<400> 32321

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cctcgccagc	cgccacgacc	cacctctgcc	catggggccc	tccatgtgsg	ccccctcgcc	120
cggggactga	aactgactgg	cccgggagac	acgaggcgcc	cagaaggact	gacagcgcg	180
caccaactgc	tctgcagaca	cttgaaggga	aagactgggc	ggagagaagg	agatg	235

<210> 32322
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 32322
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 tatgttctag attgattctc tagctttgtt atctgttttg ttctatttac catctctttt 180
 gttctgcccc cta 193

<210> 32323
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 32323
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 gcttcttgca ggtagtaata tgctttttaa tttcttccat gtcttttctt ggcttgatga 120
 cttatTTTTT cagtgccgaa taatattcca ctgcctggat ataccatagt ttaccatttc 180
 a 181

<210> 32324
 <211> 174
 <212> DNA
 <213> Homo sapiens

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 taaaaatTTT acagtatcaa aaaacaaaaa tctgcttatg aaacaaaaca tgaagcagga 120
 catatTTTga ttctatttat ttaaaattaa attctttgca aaattgaact tctc 174

<210> 32325
 <211> 226
 <212> DNA
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<400> 32325
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 atgtggaagt gcctaagtct atttagcctc acagatgact ttagaatctt gtatttttcta 180
 catcagagtt catagcgggg atggtgctac atatatctat gcaact 226

<210> 32326
 <211> 326
 <212> DNA
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<400> 32326
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 aatgaaaata ggtcttagcc gggtagatta tcttattata acagtattgt aactcagcac 180
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attgatacgt gctctcactg tggccg 326

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<211> 127
<212> DNA
<213> Homo sapiens

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acaagat 127

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<211> 270
<212> DNA
<213> Homo sapiens

<400> 32328
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cctactactt gagcatactc tggaatgaga aagtttatcg rttaacatgc tgcttacgca 240
gataggatta gcatttcctt aatttagtat 270

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<211> 164
<212> DNA
<213> Homo sapiens

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aaaatagaag tagtgagaaa ggaagaagt aagggaacgg accg 164

<210> 32330
<211> 183
<212> DNA
<213> Homo sapiens

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aggtaaagac atgaaacctt agttttcaaa ccagggggtt gagaaacca agaatgagct 180
ccc 183

<210> 32331
<211> 58
<212> DNA
<213> Homo sapiens

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<210> 32332

<211> 206
 <212> DNA
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 cggggcacag ccaataccac cactgcgggc gtaccttgcc agcgttgga cgcgcaaatc 180
 ccgcatcagc accgatttac gccaga 206

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 <212> DNA
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<400> 32333
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 ccaaaatctc gttaagctga taagcaactt cagcaaagtc tcaggatata aaatcaatgt 120
 acaaaaatca caagcattct tatacaccaa taacagacag agagcnaaa 169

<210> 32334
 <211> 111
 <212> DNA
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<210> 32335
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 32335
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 gttacattgc aggcttctc atgccacct c 151

<210> 32336
 <211> 142
 <212> DNA
 <213> Homo sapiens

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 ttttattgaa tttgtaccag ac 142

<210> 32337
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 32337
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 gcatttgaat acatgggtatt tttaggtccc gggtgggttc cctgaaatga aactcactct 180
 gagcttcctg ttgtgacggg cgaggagttc aggcgggttc ccctccagga gcatctcgaa 240
 ggctgcaga gagcgtgcaa agcagchgt 269

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 <211> 357
 <212> DNA
 <213> Homo sapiens

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 aatgctgcaa taaacataca tgtgcatgtg tctttatagt agaattgatt ctaatccttt 240
 gagtatatac ccagtaattg gattgctggg tcaaattgga tttctgggtc taggtccttg 300
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<210> 32339
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 32339
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 gcccctggta tgcagaagat ctgctgaaga ccaatcgga gtaccatgga atagctttat 180
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<210> 32340
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 32340
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 caggccagag atcttgatg caggctatct caacatggga aactgaaatc gggcatatcc 180
 ctgcggaaga agctgtccct tagcgaagaa taaaactgtg gactgacccc caccatttg 240
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 <212> DNA
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004220-6667550

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197

<210> 32342

<211> 392

<212> DNA

<213> Homo sapiens

<400> 32342

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cattcttctc	ataatagttc	tccctcsatt	cttcagtgat	tyccttgtgt	ttataggata	180
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tccttatttc	tcactgctgt	tctaatatag	tctttatacc	agtcaggctg	gtctgttcac	300
tattcctgaa	tgtttttctc	cattcttttg	ttattggcac	ccccgctacc	ctctgcagtg	360
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<210> 32343

<211> 210

<212> DNA

<213> Homo sapiens

<400> 32343

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atcttttttt	ttkgaacaaa	tgrdggggga	accaattttg	accayccata	aggmcaaakg	180
trgatatttt	yctkaaaaac	yctgaggcgg				210

<210> 32344

<211> 517

<212> DNA

<213> Homo sapiens

<400> 32344

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tgtgtgtagg	tatgtgtgtg	tgcacccctt	ttgaagggca	tgggaacagt	aacacttcta	180
cattaataag	ctgaggaaac	tgaagttcaa	atcgaagttt	ctaaacacta	ctctccattg	240
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gcctatttga	aggggttctc	actatccaaa	cctgggrrag	tttgtgcttt	gaaataaatt	420
gcattaatgt	atattttatt	gaataaaata	tgaaccacata	agtccacact	aaagcatgta	480
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<210> 32345

<211> 270

<212> DNA

<213> Homo sapiens

<400> 32345

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ttattatact	tcttaactaa	tcaactatwm	cyttacccat	ctagccaaag	tagactaccc	180
atatatgttt	cttgaccatg	tcaggttttt	aacctccata	tcttttcttg	ctctgggtcct	240
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<210> 32346
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 32346
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 tgattttata aaaagtgtaw kkgaaaggaa aaaatcgggg tgcaggtgaa ggggtcctgt 180
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<210> 32347
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 <212> DNA
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 gaaaggcaag aaacaggagg cttaaacagg cagggcacat tgactgctct gctgctgcaa 360
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<210> 32348
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 32348
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 gccatgccaa aaggaaaatt tatttgcaac atcacgcaga cagaaaatgg tagctaagat 180
 gagaagccag aatagaaact tgaaaccttg tggtaatacg cagagtttat gctaataaga 240
 ctgcctgaga tccagggatg tttaatgact gctgtaatat taatgaggtg cttggacacg 300
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<210> 32349
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 32349
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 aacaattata ggagacttct cctggcttca cagtttctgg atgctgtgtt tttgttaact 120
 gtaacacttt gaaatagcat ttgctaataa acctTTTTTc tttctctctt ttttggtgat 180

gtggcagaga gaaagacatt gagatgttcc ttgagtnacg ccgcagcgc

229

<210> 32350

<211> 265

<212> DNA

<213> Homo sapiens

<400> 32350

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tttttcagta	tatgggagtc	cacatztatg	taaagaaatg	aaactataaa	atgtataaat	180
aatttgcaaa	tcagaattgc	tgtcgaaagt	tttactataa	tgaaagatat	tttcatactc	240
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<210> 32351

<211> 348

<212> DNA

<213> Homo sapiens

<400> 32351

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cacataatca	ctaaaaagaa	cagtgtgact	tatttaaagg	ggattatgtt	tttaagtctt	180
ttatatagct	ttgtagggag	gccatatgag	tttaaggaca	gttcgtggca	tttgttcaag	240
gttttgtaac	ttggcatctc	agcagccacc	aggataccag	atcatcgttc	taagtaagat	300
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<210> 32352

<211> 405

<212> DNA

<213> Homo sapiens

<400> 32352

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attactgata	gataaaataa	agaactgact	tgttttcatc	acatttgagc	ttgtagagtg	300
agtaaatttt	gttagcccca	ctatcattaa	attgtcattg	tgacttggg	gagcttgccc	360
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<210> 32353

<211> 162

<212> DNA

<213> Homo sapiens

<400> 32353

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<210> 32354

<211> 418

<212> DNA

<213> Homo sapiens

<400> 32354

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tagrttatgc	taagaaagtw	atgtaatwaa	atactgtcaa	tgtacatttg	aaagcaagtt	180
tgcagtgaat	cacctatcca	gggaataatc	ctgggttgtc	ctgtaagagt	acttagaaat	240
gcaacagatg	tacactgcgt	tgcccagctt	cccctttgtt	tatatgctgc	TTTTTaaaaa	300
attgaggaat	aagttgtttg	gcatattctt	ttcgtagacc	tctttgtgat	cgggtttttt	360
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<210> 32355

<211> 451

<212> DNA

<213> Homo sapiens

<400> 32355

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ccatatagct	ctgsatTTTT	tttgtgtggc	atatccctct	ctttcaggaa	atttaagtaa	180
taataaaactc	ttctttcaaa	ggcggttgtc	tccaggtctg	tcaccttacc	atacttggtt	240
aaaacgaatc	ccaggtatat	ttcaagacag	gacaccatct	cactttcatt	aacaagaacc	300
taagtgtgct	taatactctc	cagtttataa	agcaccttca	tatctcttat	gatttaatta	360
atcacaaacag	tcctttaagg	aggtaatccc	agtttagaga	taataaacag	taattagaca	420
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<210> 32356

<211> 490

<212> DNA

<213> Homo sapiens

<400> 32356

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aatccaatat	amrgragamc	attkgttgaa	aaacaatggt	ttccttcacc	tcctcaaggc	180
tcacagaggg	aaacttttaa	tttttttcaa	ctgtacccat	atttaattct	tagattgtta	240
ccttcttaag	cttaagtaat	gtgcttttac	caccatgttt	tganttatca	acttttagca	300
cctgatatga	aagtgagaat	gtagctcttt	aagctagttt	tcttttttct	ctcccagggt	360
tgatgtttat	aatattttta	atttgtctgt	ctctgtcacc	caggctggag	tgcartggga	420
atcatagctc	actgaagcct	caaattcctg	ggctcaagtg	atcctcccam	ctcagcttcc	480
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<210> 32357

<211> 267

<212> DNA

<213> Homo sapiens

<400> 32357

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atagttctta	tcacccaaag	acagccctgg	tttacatttt	gtgatttcct	tctagtctta	120
catctttatt	aatttwaaaa	atkgtwaatt	tttagattta	acttttaaac	taaatagtaa	180
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agaaaataaa	agtttaaatt	acacccc				267

<210> 32358
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 32358
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 tttaaagtcg gttttattgg agactaggac tgcaaccct gcta 104

<210> 32359
 <211> 443
 <212> DNA
 <213> Homo sapiens

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 gggagacagc cataactaca tacaataaaa gcataaagg ggaattagaa ctaggggaga 360
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<210> 32360
 <211> 465
 <212> DNA
 <213> Homo sapiens

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 aagtattagg tgtggagttt ttcacttgtg gcatcatgtt agaattcaaa aagtttcaga 300
 gtttgagca tcttgattt cggatttttc caattavga tgctcaacct aatcagaagt 360
 aagacttga tattaaggt ttgaaagcca cggttttatt tgcttagtag tatataactg 420
 caacagtact ttttatctta attattgtgt agaatctgat gactc 465

<210> 32361
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 32361
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 gagactggg gcatatttct tcttgagggg aacttttct ttttgagatg ataaagaaaa 360
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<210> 32362

<211> 456
 <212> DNA
 <213> Homo sapiens

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 cgatcctgcc agcagtgggt gggcagcctg agctccctcg ggctcgctg ccagcctgga 420
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 <211> 308
 <212> DNA
 <213> Homo sapiens

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<210> 32364
 <211> 416
 <212> DNA
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 aaaacahata sataaaaaga cagtgccttct tgttcaatga ttacttcac agctgattca 360
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<210> 32365
 <211> 431
 <212> DNA
 <213> Homo sapiens

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431

<210> 32366
<211> 360
<212> DNA
<213> Homo sapiens

<400> 32366
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<210> 32367
<211> 123
<212> DNA
<213> Homo sapiens

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gaa 123

<210> 32368
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<212> DNA
<213> Homo sapiens

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gctgcagctg caagcggntg ctggcaaata ttgtcggagc aagtgggaaa aggattaaag 420
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<210> 32369
<211> 209
<212> DNA
<213> Homo sapiens

<400> 32369
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<210> 32370
<211> 418
<212> DNA

<213> Homo sapiens

<400> 32370

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caacgtactc	cttcccatac	agagaagcct	gaggctgtca	tagacttgat	gaggtccatt	360
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<210> 32371

<211> 429

<212> DNA

<213> Homo sapiens

<400> 32371

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tgtagaggct	gggctcagtg	gctcatgcct	ggkaatttcc	crgcactttg	agaggctgag	180
gcagaaggat	tgcttgahag	ccaggagttt	gagaccagct	tgggcagcaa	agtgagacct	240
tgtctctaca	agaaaaattt	aaaaaaaaaa	acaacaacag	aaactaggca	ggtgtggtgg	300
tgaataacctg	tcatctcagc	tacttgggag	gctagggcag	gaggattgct	tgagccaagg	360
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<210> 32372

<211> 451

<212> DNA

<213> Homo sapiens

<400> 32372

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gccatctgca	gaatcagaac	ctgttgaaaa	ttgrggtaga	gattgccgaa	gaccattgaa	180
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tacatacaga	gcacaggttc	ctctgatgat	tctgctctag	cactgttggc	agatattacc	300
agcaagtacc	gtcaagggtg	cagaaaaggg	cagattgaag	aagatggctg	tccatctgac	360
cccacgagca	aacaggagca	catgaaatca	cactccactg	agagtttcaa	gtgtgaaata	420
tgcaataarc	gatatcttcg	agagagcgca	t			451

<210> 32373

<211> 191

<212> DNA

<213> Homo sapiens

<400> 32373

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tctccarggc	tgtgttcgca	gagttcctgg	ccacactcct	cttcgtcttc	tttggcctcg	180
gctctgcccc	c					191

<210> 32374

<211> 449

<212> DNA
<213> Homo sapiens

<400> 32374
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tgtgagttgg gagtcaaaaa agtgtartga gccattgtac tatgacagag gaagatctca 180
gtctcatctg ttaagttctg tgagagcagg aaccaagagt tttctttacc ttagtagcct 240
ccagtgcctd mtatatagct gagcacatag tcntgtttac tgaaggaaga aaggaataga 300
aagaggagga agatgatcat ctaagctaag atcgggtttt ctttttgtac ctttcaatat 360
ggttttgaag tataatttac atacagtaac taaacttaag tgttacagtt tcaagagttt 420
tgacaaattt gtacatcttt gtaatctat 449

<210> 32375
<211> 265
<212> DNA
<213> Homo sapiens

<400> 32375
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gtgcctagcc agtttgtaac atttctgctg tgtttgctgt gttgagcaga gatattgtgg 120
gttctatgta gctcatagga ttattgcaat gatcaaatga aataatgttt tataatttta 180
aagcaccata gaaagatttg ttaagttcta tgtattttta atttttaatt atgatttctt 240
tctcgactaa catatgtatg aggca 265

<210> 32376
<211> 212
<212> DNA
<213> Homo sapiens

<400> 32376
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ccaacgtggg atgtgsgttk gtattatctg attaagattt taaagtagcc atcacaaatg 180
tgcttcaatg ggcaattaaa aacggacatg gt 212

<210> 32377
<211> 305
<212> DNA
<213> Homo sapiens

<400> 32377
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ggacagattt ctctatttct kgcaaaaaaa tgttgggatt ttgggatttg ggattttgat 180
aggtaatgca ttgaatctgt agattgcttt atatagtatt gacatcttaa caatattggt 240
ttgtagtcca tgaacacggg atacctttct attagtgtct tctatatttc tttttttttt 300
ttttt 305

<210> 32378
<211> 459
<212> DNA
<213> Homo sapiens

004220" 066ET560

<400> 32378

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taaaagtaaa	tacagstttt	gggrgcaaca	ttttaaaactt	tttaattatt	aaagtgaagt	180
aagcatatta	tcctaagtga	ttttcttaat	cttttatcag	tttctaaaga	tgcacatttt	240
tatgcagtta	cagtatat	gaagttccgt	gcaatctgtc	ctgttgctct	gtaattttct	300
tgattattac	aaatgttgca	aaagtctgca	aagttttcat	ccagcaagtt	tgcttaagcc	360
tatatgcaat	ggtttcctct	atgttgaata	atgaatattt	gtttatttat	tttttgagac	420
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<210> 32379

<211> 356

<212> DNA

<213> Homo sapiens

<400> 32379

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ttgtctcttg	ctagttgtgg	aaatgtaatt	gattttttatt	tattgacctt	atattgtgca	180
gctttgctga	actcacttan	bragtttcag	gaattttttt	ttttaggct	tttgggattt	240
ttaaaaagta	gataatcatc	tcacctatga	ataaaatatt	ttttgcctwa	ttactctggc	300
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<210> 32380

<211> 462

<212> DNA

<213> Homo sapiens

<400> 32380

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ttaactcacc	tctttattct	gtggcttttt	ctgaatagaa	atgtatgcc	taggaagaaa	180
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ttgggvcagt	aagccaaata	cctcattttt	aaaaagaagt	tttcatggca	tcagtgttaa	420
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<210> 32381

<211> 174

<212> DNA

<213> Homo sapiens

<400> 32381

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caacatttga	ctttggtaca	tatgttat	taaaacgaga	tttaagcaaa	gttt	174

<210> 32382

<211> 368

<212> DNA

<213> Homo sapiens

<400> 32382

004220" 6651560

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gagacttcaa	caaggcaryk	gamcagtgtt	agaaatatca	ctgaggcaga	aaactaataa	180
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catccaacta	ctgcagaata	tatattat	tcatgtgcat	gtgggacata	gattctaaga	300
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<210> 32383
<211> 59
<212> DNA
<213> Homo sapiens

<400> 32383						
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<210> 32384
<211> 126
<212> DNA
<213> Homo sapiens

<400> 32384						
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gaaaat						126

<210> 32385
<211> 162
<212> DNA
<213> Homo sapiens

<400> 32385						
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<210> 32386
<211> 461
<212> DNA
<213> Homo sapiens

<400> 32386						
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caaataagat	acmtwaaamb	tacgaagtaa	agtcccccatt	aggttataag	tattacaaaa	180
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actgggtttt	aatggcctag	ttatttgagg	atthttgctgt	gttggtttcc	atgtcttcts	300
kgntcacctt	ggattatata	taaaaataca	ggamatagat	aaacatgaat	gtgattaata	360
atgctgaaaa	agtattagcc	taccaaagac	acactcaggc	tttagtgaat	aactttacat	420
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<210> 32387
<211> 417
<212> DNA

<213> Homo sapiens

<400> 32387

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aacattggga	gtggaaaaat	tttcaagtaa	mcattaacga	aaagaagagc	catgcagggt	180
cgtaatgttc	ttaatgatgc	agtggattta	ctggaattcc	gtgatagagt	cattaaagca	240
tctttgaact	atgcacactt	agttgtttca	acgtctcttc	aatgttacgt	gttctccacg	300
aagaactgga	acacaccaat	tatatattgat	ctcaaagaag	gaactgttag	tttgattctg	360
caggcagaaa	gacattttct	tcttgtagat	ggtagtagta	tctatttata	ttcatat	417

<210> 32388

<211> 238

<212> DNA

<213> Homo sapiens

<400> 32388

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gctcttccag	tgcatgtact	tcaaagacaa	agaccctgcc	accgaggagc	gttgcatatc	120
tgacggagtt	atttattcaa	ttagaaacaa	wtggkgkgct	tctatttata	ccaagggttg	180
ggattaaagg	tgctgcttat	ctaaaaaata	angatggttt	agtcactctca	tgtggccc	238

<210> 32389

<211> 245

<212> DNA

<213> Homo sapiens

<400> 32389

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gtgcctgctg	aaggggtggg	tgggcgtggg	tgaccccntn	ktgctcacac	tgaccctgcc	180
agtctctgcc	tgggagagct	ttggaccgtt	tgtgcgcacg	gggtgacttc	ctgtctttct	240
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<210> 32390

<211> 240

<212> DNA

<213> Homo sapiens

<400> 32390

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actttaggat	aaaaagtcag	tagcttctgg	gcttaactaa	attaattaca	tgtaaatcta	180
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<210> 32391

<211> 347

<212> DNA

<213> Homo sapiens

<400> 32391

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ttgcaaccag	aggtaaactg	ctctcatgca	ttttcactca	gtgccgttgg	ttatttagtt	180

ttctctcccc	tgtaccttta	acatctcttc	ttgtatttac	tctttttccc	tctccttttg	240
acaactccat	cctcatctga	ctattacact	gnctgtctcc	tatccttgac	agccacattt	300
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<210> 32392
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 32392						
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agactcatgt	ttctgcatct	cctgctgcct	tttkgtttcc	tccgtccttt	ggggggtagg	180
gataggagt	acttaaatcc	tcccagtcgg	tgagggtata	aataactaca	tgtaaaatta	240
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cagtgaagag	cttccgagtg	caggaactcc	caactgdstgg	tattaagaag	atatgaaact	420
ggatgaagat	gtgaagggtga	attcacattc	attttwatta	tttcttattg	aagctaagtg	480
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<210> 32393
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 32393						
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tgctatccct	cccctaccat	cccaccccct	gacaggcgcc	ttggtgtgtg	atgttggatc	420
gttttttttc	ttgaacatac	aaacgttagt	acataccttt	tctgtttgta	tgacagacata	480
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<210> 32394
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 32394						
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cagccatcga	accacagtca	gcagtattga	ccaaagggcc	cagctgctgg	cttgaaatcc	120
tttggtctgm	atttgccwag	tgactagtgt	ggatactaaa	gtaggcccat	tcctgggagt	180
cacggggctc	cccagtggcc	tcattgaaac	ttccttagac	tacaccanaa	tgtggtatgc	240
ttccacccga	t					251

<210> 32395
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 32395

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gaacnkctw	agatcrgaga	ggaagctctg	aagaggctgt	cagccctcct	ctaagcacca	180
ggctgacacc	accactttga	aacacagcaa	taaagtcatg	actttcaaag	acacagatat	240
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<210> 32396
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 32396						
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tataaccwta	kgcccakgta	tacatctggg	tgcttgatgg	tttaciaaatt	gggtgttggg	180
gaccatctcc	tkstagcttt	tctctctcat	tcaagcccca	gggaaacaga	ggtgagctga	240
tttatgtgca	ggtctccagt	tttgtgtggg	ctttatattg	ttagaacagt	ctctgtatct	300
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<210> 32397
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 32397						
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atgtgtgktg	rakgtagack	kgaaatgtct	ccacattttg	gaggacttcc	tcagcccttt	180
tcattgaggg	aaaatatatt	tgaatttctg	ttttagattg	tatcgggtcc	cagttgattc	240
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a						301

<210> 32398
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 32398						
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ggcggcggcg	cctcaggcac	ctcggcccg	acacgatgag	gcgagtggta	cgacagagca	120
agtttcggsm	adgtwtttgg	gcaagcgggt	aaaaatgvcc	agtgctatga	tgacatccgg	180
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<210> 32399
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 32399						
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<210> 32400
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 32400						
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<210> 32401
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 32401						
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cagctaaaga	tgttactgat	gacatctaag	aatttggagt	ttcaaaatgt	gaattgtgaa	300
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<210> 32402
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 32402						
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cashtggccg	agaatttttt	ttttaaattg	agacaaggtc	ttgcaatatt	gccaggtg	180
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caggcatcag	ccaccatacc	cagccagagg	agaattttat	atgctctttt	ggctttgaaa	300
ttaaagtctg	ccctagcaag	ttttctggag	cattatcaca	tgthnaata	tatgtytttt	360
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<210> 32403
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 32403						
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138

<210> 32404

<211> 508

<212> DNA

<213> Homo sapiens

<400> 32404

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gacaatttta	aaatcctggg	amccawattt	atthagaagt	agctgttagt	aaaacattag	180
aaaaggagtc	aggccatbag	gttattttatn	bnaatctcta	agcaattagg	ntgaagttat	240
taagtcaagc	ctagaaaagc	tgccctccttg	taaggctttc	atgacaatgt	atagtaatcb	300
rcagtgtcca	attcttcgca	ctcctcagga	atatcactac	ctcaggttac	ggtacacagg	360
ctataattga	tgatgatgtt	cagataactg	aagacacaat	aatgacatt	cagacatcag	420
gacaattccc	tcatgttctt	ttctatgatg	gccacctgta	ccagcaacgt	gggtttcacc	480
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<210> 32405

<211> 300

<212> DNA

<213> Homo sapiens

<400> 32405

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aaatagatat	cagcggccta	ttttggaatt	gatatacagt	ataatgggta	gactaatctt	120
tccttctctt	ccatagtagg	grtaattcat	catacctcag	ggaaatattc	attgtatttc	180
aagagaatag	agaaacatcc	tttctgttag	ctctagaatt	tgacgtgtgg	ggctgctgtt	240
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<210> 32406

<211> 126

<212> DNA

<213> Homo sapiens

<400> 32406

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<210> 32407

<211> 222

<212> DNA

<213> Homo sapiens

<400> 32407

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gatttttctaa	tttgattcta	aatgtcatgc	tgaaaatgga	atctcttccg	tgctcctctcc	180
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<210> 32408

<211> 305

<212> DNA

004220" 16667560

<213> Homo sapiens

<400> 32408

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cattcaccaa	ttttaatggt	agtctcatcc	aaaccaccct	ccaagttgac	atataamatt	120
aaccatacan	tcgtcayagg	btggdycaaa	cttytrgact	armcatcckt	cttagcacct	180
aacttgagac	ttaattamtg	aaacaaaaac	ttcataattc	tcagggaaac	agtgatttgt	240
cttccattta	taattgagtc	acttctgtgg	ggattcaggc	aagmataagc	caagagtggg	300
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<210> 32409

<211> 414

<212> DNA

<213> Homo sapiens

<400> 32409

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tttatttttg	ctagagagag	aagggtctca	ctcggctact	ggttgcccag	gcttgagtgc	180
agtggcacag	tcacagcttt	cagcagcctt	gacctcccag	gctcaagtga	tcctcacacc	240
tcagcctccc	aagtagctag	gactacaggc	atgtgctacc	acacctggct	aataattaaa	300
aaatgaatag	tattatggaa	ttatccacca	tctctttttg	tagagatgag	gtcttgccat	360
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<210> 32410

<211> 287

<212> DNA

<213> Homo sapiens

<400> 32410

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ccaggcccag	tcctgcctgc	agggagarcc	ccccagcctt	agggttgggc	cctgaggctt	180
gaagcttgaa	ggcctgctgc	ctggaggaag	gatgtccctg	cactgatata	gaagctgttt	240
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<210> 32411

<211> 502

<212> DNA

<213> Homo sapiens

<400> 32411

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tgatggcaga	gactgtcatc	ttttthcttg	atttcgscga	tagcctgacc	atggccttga	180
gctcagcgct	gagcttgtag	ggctagagca	cctttgggtt	gggcatccaa	agagagcttg	240
gctggcacaa	ctcatttttt	tcagcaaagg	aagtaacact	tcactcagtt	aaggttaatc	300
agataaggca	gtggtagggc	tagggggagc	actagtccat	ccagcctcat	tgttctatgc	360
taaattatag	gtgtctgans	taaatttcag	gggagaagtc	tggtagatcc	tcctatgcntg	420
gcaggaaagt	gtgctggagg	gtctagaagt	catgccccag	accttctttt	cctcttttgc	480
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<210> 32412

<211> 357

001220"6667560

<212> DNA
<213> Homo sapiens

<400> 32412
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gctggagtgc agtggcgaga tctcggctca ctgcaacctc tgctgctgg gttcaagtga 300
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<210> 32413
<211> 440
<212> DNA
<213> Homo sapiens

<400> 32413
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gcatgacatt ggctcactgc aatctccgcc ttccaaattc aagcaattct cctgccacag 240
cctcccagat agctgggact acaggtgcac accactacac ccagctaatt tttgtatttt 300
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ctgttttttg gtttttaatc 440

<210> 32414
<211> 377
<212> DNA
<213> Homo sapiens

<400> 32414
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ggttcccttt gaagttgatt tccrgtttta ttccactgtg gtctgagaga gtgcttgata 180
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ctgttaagtc catttggttc aaggtatagt ttaadtctat tgtttctttg ttgactttct 360
gtcttgatga cccatta 377

<210> 32415
<211> 79
<212> DNA
<213> Homo sapiens

<400> 32415
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tccttttttt tttttttt 79

<210> 32416
<211> 390
<212> DNA
<213> Homo sapiens

<400> 32416

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adtaarggca	ctgkccctct	aaamccgcat	aaamattttt	ttgcatacag	gaaactcaac	180
aatgattgta	tcctgkgttg	agatttccca	tatgtttccc	ccattcacac	aggtgatgtg	240
twvatactaa	tgctatgtta	atgtttkctt	ttaaatagat	atattttagt	tgascagggt	300
gawytaaagc	acaggtggat	ctgtgggtga	taaaagtggg	aggtgtggaa	actgmctggg	360
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<210> 32417

<211> 229

<212> DNA

<213> Homo sapiens

<400> 32417

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ccgctggggc	ggccaaggcc	gtgaggacgc	caatggcgag	cagcgtggac	gaggaggcgc	180
tgcaccagct	gtacctgtgg	gtagacaaca	tccctctgtc	ncggccgct		229

<210> 32418

<211> 273

<212> DNA

<213> Homo sapiens

<400> 32418

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atggagtgtc	btagttkgtt	thctttkcct	tataacaaaa	cacccaaaac	tgggtaattt	180
ataaagaaaa	ggaatttatt	tcttacagtt	atggaggctg	agaggtccaa	ggttgagggg	240
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<210> 32419

<211> 276

<212> DNA

<213> Homo sapiens

<400> 32419

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gagtatccag	acccgctgaa	gcctagaggg	ccttgtaccg	gtcaccgcg	tggtgtcgc	120
tgtctcgtgt	ccccagtg	gggnaaggcg	tcgcactgcc	gcgtctgttc	tgctgtgctg	180
tcggggcgcg	tttggtccc	ggagcctcgc	cggagaaacg	gagacctaa	aagtgacttg	240
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<210> 32420

<211> 441

<212> DNA

<213> Homo sapiens

<400> 32420

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taaaagaact	cctgaaggaa	gcactaaaca	tggaaaggaa	caaccgttac	cagccactgc	180
aaaaacatgc	caaattgtaa	agaccatcga	gactaggaag	aaacttcac	aactaacaag	240

caaaataacc agctaacatc ataatgacag gatcaaattc acacataacc atattaacct 300
 taaatgtaaa tggactaaat gttcbhntta aaagacccag agtggcaa at tggataaaga 360
 gtcaagaccc atcagtctgc tgtattcagg aaacccatct cacatgcaaa gatgcacata 420
 ggctcaaaat aaagggatgg a 441

<210> 32421
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 32421
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 gctctcacac taraagatac acattggvra aaatccagac ttcacaatct caaaaatact 180
 cccaactttg ctccatcccc tacctgcacc ccgagactct agtgagattt tttgtaaata 240
 gtgttctcca ttaactttta gccatcagtt 270

<210> 32422
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 32422
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 ccctctacac actgctttta atgtgtccca gagattctgg tatgttctgt ctttghctc 120
 attggtttca aagaacatct ttatttctgc cttcatttca ttatttacc agtgtccatt 180
 caggagcatg ttgttcagtt tccatgtagt tgtgcgggtt tgagtgagtc 230

<210> 32423
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 32423
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 gtgttattca ggctggcttc agactcctgg gctcaagcag tcctgcacct cagcctcctg 180
 agtagctggg actacaggca cacaccaccg tgctgggcta tagttttaga tttttgagga 240
 acatccatac tgttttccat atggctatac taattagcat tcctaccagc catatataag 300
 agttccccct tttccatggt ctcagcac 328

<210> 32424
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 32424
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 aattcctttc ttacaaggcc cttcacagat acctgctggt ctctccact tggcaaagga 180
 aacacttggn gttataaagt ctcagaaaag ttatgtgaaa gttaaaagta aaactgacag 240
 cagctgaagg atgggggggt gggaggtngt gacggtggag gagamcccac caccactgcc 300
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<210> 32425

<211> 164

<212> DNA

<213> Homo sapiens

<400> 32425

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ttgggcctgt ggaggatata gatatatgta gagagggggg actt	164

<210> 32426

<211> 170

<212> DNA

<213> Homo sapiens

<400> 32426

agagcgcaga gccggacaga gcagaagaac cctcttggac tggacgattt ggaattcaa	60
aacttgggac aaactgtcag ccttgccct gctgtggagg cagcctcaat gctgaaaatg	120
gagcctctga acagcacgca ccccggcacc gccgcctcca gcagccccct	170

<210> 32427

<211> 94

<212> DNA

<213> Homo sapiens

<400> 32427

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ttgggcagaa gcacagcacc ctccgtaagg ggcg	94

<210> 32428

<211> 256

<212> DNA

<213> Homo sapiens

<400> 32428

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acaaagggtcc cctgtgtcct ttaccagtt ttccacaatg gtaacatctt aaaaaactgg	120
agtacaatgt cactcacatc caggrrtamy atwatggwta caatcaagat acagaatatt	180
tctattacaa aggtcttctg ttgccttctt atagcaacac ctactttctt cctactcctt	240
ccctcatcca ttccac	256

<210> 32429

<211> 352

<212> DNA

<213> Homo sapiens

<400> 32429

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cggaggtaca aatttccatt ggtacttagt actttaatat gaaaatatgc aatgaagaaa	120
gcatcttgca gccgggcacg gtgggtcamg scyggtaatc nbdncacttt gggaggccaa	180
aaggggcgga tcacctgagg tcgggagttc aagaccagcc tgaccaagat ggagaagccc	240
catctctact aaaaatacaa aattagccag ggggtgtggc gcatgcctgt aatcccagct	300
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<210> 32430
 <211> 168
 <212> DNA
 <213> Homo sapiens

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<210> 32431
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 32431
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 gtaatccagc atataaacag aaccaaagrc caaaccacaa tgattatctc aatagatgca 180
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<210> 32432
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 32432
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 aaaatggggc tctttcctgt gattaatctc caggaaggac tgtactaggc agtggttccc 240
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 tgttggagta cttgctgctg ctc 323

<210> 32433
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 32433
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 cc 62

<210> 32434
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 32434
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tgaaattaa	ggatgggctg	aaagtsccag	tscktcta	cagtcatgcc	ttgggtcttcc	180
tggtgaccag	ctcctgtccg	aagctaccta	ggagctgcc	gccatcagtc	aattcgtgag	240
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gtgaaacccg	tctctgctga	aaatacaaaa	aattagccgg	gtgtgggtgt	atgcgcctgt	420
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<210> 32435
 <211> 372
 <212> DNA
 <213> Homo sapiens

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aaccctctc	ctgaggcacc	acgtctctaa	cagagcaca	actccacgaa	gnmaacgccc	180
aggagtcaga	aataccatca	gaggaggggt	actgtgactt	taatagtagg	ccaaatgaga	240
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<210> 32436
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 32436						
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ataaaggaaa	aacaaatact	gattggggaa	gagacttgct	taagttctta	tagaaaacta	420
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<210> 32437
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 32437						
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actctcattc	actgttgggt	agaatgcaaa	atggtacggt	taccttggga	ggacagtctg	360
gcagwtwctt	agaaagtga	acattcttac	tgtatgatcc	agcagttctg	cttcttggta	420
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<210> 32438
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 32438
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 tgatgggtttc cagcttcacg cgtgtcccta caaaggacat gaactcatcg ttttctatgg 240
 ctgcgtagta ttccatgggtg tatatgtgcc acatttttctt aatccagtct atcattgatg 300
 gacattttggg ttgggtttcha gtcttttgcta ttgtgaatag tgctgcaata aacatacgtg 360
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 ttgctggatc aaatgggtatt tctagttcag caa 453

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 <213> Homo sapiens

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 ccattgtatg ctttttgatt tgaggttatc atgagacttg caaataatat cttataaccc 180
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<210> 32440
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 32440
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<210> 32441
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 32441
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 tcatctaaat tttaaagaa tgacaacagt tatggacaca tgcaaaaagg atcagacata 180
 gaaaatattg ttgggggaaa tttctgtgtg gtgctaattt cttgtaaggg ttgtacagat 240
 agtgcttaac tcaaaaagtg agagtgtggc cattgccaaa tagggntttg ctcagagttc 300
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<210> 32442
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 32442

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<210> 32443

<211> 156

<212> DNA

<213> Homo sapiens

<400> 32443

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<210> 32444

<211> 499

<212> DNA

<213> Homo sapiens

<400> 32444

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 tcttaggatg gtgcttatca aactgaagcg tatctctctg aggtatnaac tttactcagt 180
 tgggggaaaa ataactgnta attatgttaa acattttaat aaaatagatg actgtattgt 240
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 tactctcata ttctaagttg actgtctctg tcatgaagat tatagtcgta aaaactgaag 420
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 tggtttctgt gcctagata 499

<210> 32445

<211> 367

<212> DNA

<213> Homo sapiens

<400> 32445

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 aatgttagat ctttaattata cacaaattta aaaagcttca atgtattgaa aattaagaca 180
 attgggttaa aaaattggct gatgaaggca tgatgtcttt aatgtatgaa aaacttttct 240
 ctttaaatcaa taaggcacac taaaaagcag tattattaac aaaaatatta atttttaaaa 300
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<210> 32446

<211> 489

<212> DNA

<213> Homo sapiens

<400> 32446

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 gtattttctg tagagataca aaaaatctct acactgtgtc gcctaggctg gtccccaact 180

cctgagctca	agcaatccac	ctaccgtggt	gttccaaaat	gctgggatta	tagctgtgag	240
cccttgcgcc	cagccagtta	tattgttttt	agattgtagt	ttcttttttc	tatctagacc	300
aggcagagca	atatactgag	accctgtctc	cacaaacgaa	cgaacaataa	tagccaggtg	360
tgggtggcgtg	cacctmnagt	cccagctgct	tgagaggctg	aggcaggagg	attgcttgac	420
cccaggaatt	tgaggctgca	gtgagctgtg	attgtgccac	tgcattccca	cctgggtgac	480
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<210> 32447
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 32447						
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aatggaaaac	tcctgagaag	ctgttccagc	gtcaggagag	cagcagacaa	gctggactgg	120
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<210> 32448
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 <212> DNA
 <213> Homo sapiens

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<210> 32449
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 <212> DNA
 <213> Homo sapiens

<400> 32449						
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<210> 32450
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 <212> DNA
 <213> Homo sapiens

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aacaataaaa	ggacaagata	aagattcaaa	aaataggaag	aaatatcatt	tttctgatac	300
aatttcttct	cggtgtgccc	atgttgtttt	atgattgcaa	agcgttcttt	taagtgtctt	360
taaagtattg	ttttcatgct	tcttaaaatt	gcttccagaa	gtaatgtcaa	actcattcac	420
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<210> 32451
 <211> 470
 <212> DNA

<213> Homo sapiens

<400> 32451

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tgcaatggcc	tttcacaaca	agcccctgaa	aatcagcaga	acaaagactg	ggcctgggtga	300
gtgagtgcct	acgcagagtt	cttgctgccg	tgattcagtg	caagttagaa	acctgtgctc	360
ttcttttagcc	tggggaaaaa	ccaaagtcag	caaaccagc	tcaactcagc	aaactttcgt	420
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<210> 32452

<211> 403

<212> DNA

<213> Homo sapiens

<400> 32452

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taacatcttt	tgttgggaa	ttattgtcat	aatcttacac	gtatgtcttt	gcacatttgt	180
ctgattattt	tatttgata	agttggcaga	agtgaattg	ctgggttaaa	gggaattgtc	240
tgctagaaag	gctagtttat	actctaacca	gcagtgtgtg	agagtatcta	gtttcccaca	300
cctttgccaa	caatgaattt	tacaattatt	tttaaccttt	gaaagtctga	cagatgaaaa	360
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<210> 32453

<211> 278

<212> DNA

<213> Homo sapiens

<400> 32453

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atTTTTTTTg	agacggggtc	ttgctctgtc	gccagggtg	gagtgcagtg	gcgcgatctc	180
tgctcactgc	aagctccaca	tctcgggttc	acgccattct	cctgcctcag	cctcccaggt	240
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<210> 32454

<211> 84

<212> DNA

<213> Homo sapiens

<400> 32454

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<210> 32455

<211> 252

<212> DNA

<213> Homo sapiens

<400> 32455

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ggcagaagga	tgtttgacct	cgggataagc	gaggcgctgc	tgtgcattca	ttccgggctg	120
catcggtggc	gacascagag	gctcggggcg	cgastctccg	gccagcggcg	rcggtaggag	180
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ccttcnnc	tt					252

<210> 32456
 <211> 225
 <212> DNA
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<400> 32456						
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ttcctgtgaa	catgaatatt	actgattctc	aagttccagt	atacagaaga	ataacttgct	120
attgcctgtc	ctgggtgtacc	cagatgttcc	atgatggacg	ttttatccca	taagacgtct	180
ccctcctgat	agatgtccgt	atatgcagat	taaactacca	acaaa		225

<210> 32457
 <211> 483
 <212> DNA
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<400> 32457						
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aaagtatttg	aggatagcag	ggtttttttg	ggtttttttt	ctttcagcac	tttgaaaata	180
tcattccact	tcctcctgac	ttacggtttc	cattgagaag	tgtgttgcca	actgaagtgg	240
agtttctttg	tatgttatat	cctccttttt	tcttgctgct	tttagtatcc	tccttttgtc	300
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tgtttagtgt	tttctgacct	tcctctacct	ggatattttt	ctcatatttt	ggaaagtttt	420
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aac						483

<210> 32458
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 32458						
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gacagcttac	tcatcaacaa	atatatccac	actttgcaga	tggcagtaat	avgmaaacca	300
aaagcagagt	ggccaggaag	gctcatgttg	ccacgccagt	gttaatcccc	aaaggggctg	360
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<210> 32459
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 32459						
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004220" 66E7560

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t 181

<210> 32460
<211> 400
<212> DNA
<213> Homo sapiens

<400> 32460
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gtattgacag tgcataacctg gccatggata cagaggaagg tgtagagggt gtgtggaatg 360
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<210> 32461
<211> 483
<212> DNA
<213> Homo sapiens

<400> 32461
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atattgttaa ctgagtrrga tyagttyccy ttaatgcctg traggctgca gggtttggtc 180
tcaattgcat gcacacacta agcccaaata tttctgttca ttcattgtca gatcaggata 240
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agc 483

<210> 32462
<211> 431
<212> DNA
<213> Homo sapiens

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<210> 32463
<211> 302
<212> DNA
<213> Homo sapiens

<400> 32463

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 <212> DNA
 <213> Homo sapiens

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<210> 32465
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 <212> DNA
 <213> Homo sapiens

<400> 32465						
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cttaccgtat	actggccacc	atgstaagca	tgcattaact	gcattcatnc	aacgtgtatt	180
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<210> 32466
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 32466						
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<210> 32467
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 <212> DNA
 <213> Homo sapiens

<400> 32467						
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<210> 32468

<211> 231
 <212> DNA
 <213> Homo sapiens

<400> 32468
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 attgcatggr tatgccgsaw ttttggttgc ccattcacat gttgatggac atttggattg 180
 cttctgcctt ttgggtcattg taaacaaggc tgttatgact atttgtgtac c 231

<210> 32469
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 32469
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 atgtctcctt aggttttaaaa taacatttta aaaaattttt gtaagtatca ggcactgtta 180
 ggtgctagat tttaaaagta aaaaagaaaa aaaaataaga gtctctgtcc ttgggtt 237

<210> 32470
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 32470
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 gttacttacc tttccttagg agaccctctt gtgattctgc agtacctatc atggccattt 180
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<210> 32471
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 32471
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<210> 32472
 <211> 432
 <212> DNA
 <213> Homo sapiens

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<210> 32473
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 <212> DNA
 <213> Homo sapiens

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taa	123

<210> 32474
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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ctgcctcags	ctcctgagtg gctgggatta caggcacaca ccaca 165

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<211> 285
 <212> DNA
 <213> Homo sapiens

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 atgagaacac tttagaacaa ggtgtccagc aaccaagaag caaatgaaca gttttttaga 180
 tttagcttgt tgtgaatcta ttttggcatg tcatgtacag ttaaattggc tcattataaa 240
 agttcacttg gtacagtaca ttatgatatg ttaatcaaaa ccact 285

<210> 32478
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 32478
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 taaaacttta aaaagayrac amcttcagaa agtcaaagcc atttatagga aatcagtttt 180
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<210> 32479
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 <212> DNA
 <213> Homo sapiens

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 tcagggtgat ggcgaacttt ctctctagtg tcttaacatt tatgaactta tgtttgactt 240
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 ccatagaaat tttggaacat aaggaagtat ctgcttctac tatatgtaca ggmcttgtcc 360
 ccaaataatt tckgaatccc ttaatgcagt kgagaatccc ttaatgcagt tgagamcagt 420
 aaagttcatg accatacgc 439

<210> 32480
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 32480
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 tcaacagsag aatggatggt gcagagcaag gaaatccatc cactgccaat gaaaaagtag 180
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<210> 32481

<211> 459
 <212> DNA
 <213> Homo sapiens

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 cttttctaaa gtgagtctca cctccaccct caatgctggc aatgtctgtc tgtagtgtat 360
 tcttaacaat acagattagc acaatgcagg ccagaccatg aagactgttt caagttcgag 420
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<210> 32482
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 32482
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<210> 32483
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 32483
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 aatgtggccc tgaaggtaawk accaaaaaga aatattttta taaatttttc tctctatcaa 180
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 ccaaggagct ctggtccatt ccattctgtg cagaagattc attctgacag tggaatataa 300
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<210> 32484
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 <212> DNA
 <213> Homo sapiens

<400> 32484
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 taattgcact actgcactcc acgctgggtg acagagcaag accctatctc taaaaataaa 180
 aaagtatata tatataaaaa tatcttcctc tattataatt taactcatta agccatttat 240
 ttagatgtaa acntgcccc ctgcc 265

<210> 32485

<211> 55
 <212> DNA
 <213> Homo sapiens

<400> 32485
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<210> 32486
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 32486
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 aatactybwm ctttaataac aaaatctggc cacctctcaa tttaaaaagt taataaagaa 180
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 ggggtggatta cttgaggtca gtagtttgtg accaccctgg ccaacttggg gaaaccctgc 300
 ctctgcaaaa atacaaagat tagctgggtg tgggtggcatg tgcctgtaat cccagctgct 360
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<210> 32487
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 32487
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 tctattggag ggtagatgcc aaagaggatg gaaggagcaa aattggaaac agaattgcct 180
 ctgtaaccag tttatttagt gcagctttac tctttcgcca taactgtccc catgaactct 240
 ccttctttgt ccttgattca aagagccatt gtctctacct cctgatgtgc atcctccttc 300
 ccatcaggct ccctctagtc ttattctccc cacaccagcc agtagtcatt ttcatatgta 360
 agtctattta attattatta aatagactat tagtgtaagt ccattgccct ttgggtaaag 420
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<210> 32488
 <211> 249
 <212> DNA
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<400> 32488
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 agtttccgat cctaaactat tgagghatag gcacaaattt ctgacccttc ctccccttc 180
 tggttgtttc acttcagaa atccgacaga aagtacaaat ttttacatct gagtctctac 240
 caagagccg 249

<210> 32489
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 32489

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aaaattataa	taaaaagtct	cccagcaaag	aaaagcccag	gactcaatgg	cttaactgct	120
gaattttacc	aaacatttaa	tcaaagaaga	acaagtacca	attgtactct	aactattcag	180
aaaatagagg	agagagtact	tccaaacgaa	ttctacaaag	ccaatattac	actgatacca	240
aaacaaatga	cacatcaaaa	aaagaaaact	acaggccc			278

<210> 32490

<211> 268

<212> DNA

<213> Homo sapiens

<400> 32490

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gctactccgg	gaggctgagg	tggggagagt	tgtttgacca	ggaggtcaag	gctgcagtga	180
accgtgttgg	tgccactgca	cttcagtctg	ggcagcagag	tgagaccctg	tctcaaaaaa	240
agaaaaaaaa	gattataata	gaggccgc				268

<210> 32491

<211> 240

<212> DNA

<213> Homo sapiens

<400> 32491

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agaaagtggg	agaactcttc	aagggacaca	gggagtggca	aatgggcagg	agaggtgcgc	120
catccctagc	ctggtcagca	tgggtcaccc	ccacagggag	gagctgaacc	cgacattcct	180
ccaccatgca	ggaaccaaga	actgaagtca	ccacatcatg	tattttctaa	accagagcag	240

<210> 32492

<211> 353

<212> DNA

<213> Homo sapiens

<400> 32492

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atatacataa	aatatataca	tataatacat	tgatattcat	acaagtacat	attctgatgt	180
agtaacaagt	tttgtaatta	ctgagttaca	tttatttggt	tgatagagta	aaaaaaatta	240
caaaataaat	ttgaaatcta	tttacaagtt	tagtcttaga	aaattcatgg	ttaggtttgt	300
ctaagttaac	cctgctgagg	tgattaaaa	aactgtacgc	ttctaagtgt	agc	353

<210> 32493

<211> 261

<212> DNA

<213> Homo sapiens

<400> 32493

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ctctttttca	taaaactctc	caaggttcaa	tcaatgcaat	gtatagtga	acttcaatag	120
atcttttcatt	ttgacactat	taaacaatcc	agagaagtaa	acactgttaa	attgactgta	180
tatatttgct	tcttaaaaact	acctgtatca	ctgtttgctc	acctaattta	tatacaggta	240

gttccatttt ctcccagttc c

261

<210> 32494

<211> 479

<212> DNA

<213> Homo sapiens

<400> 32494

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caggggtgaa	tcatagggag	tcgaagcwg	cctcttgac	tgagtcagtt	cctgggtggg	180
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cttgtagcct	ccagcttcat	gactcctrra	ccataattdc	taatcttgtg	gctaattgta	360
gtactacaga	ggcratctag	tccccaggca	agaaggaggt	ctgctttggg	aaagggctgt	420
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<210> 32495

<211> 311

<212> DNA

<213> Homo sapiens

<400> 32495

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agcctcagaa	tcatggcggg	aggcaaaatg	cacttcttat	atggtggcag	caggagaaaa	180
tgaggaagat	gcaaaagtgg	aaacgcctgc	taaaaccatc	agatctcgtg	agacttttca	240
ctaccatgag	aacagtatgg	gggaaaccat	ccccatgatt	caaattattt	cccactgggt	300
cccccccacg	a					311

<210> 32496

<211> 283

<212> DNA

<213> Homo sapiens

<400> 32496

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cgataaacta	aaacaacata	aaaaaatgca	aagatatatt	ccggtctctt	gctcatgtct	120
gtctagctga	ahawcctara	acaaatctac	ttcaaaagat	taaccaacag	caatataggt	180
tggatataga	aggatatcag	tcaggaattc	tgattgattg	agattacaag	gaaccctttc	240
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<210> 32497

<211> 100

<212> DNA

<213> Homo sapiens

<400> 32497

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<210> 32498

<211> 95

<212> DNA

<213> Homo sapiens

<400> 32498

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actatataat aatgatakaa tgttttggtc attga	95

<210> 32499

<211> 335

<212> DNA

<213> Homo sapiens

<400> 32499

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tgtcagcatt scttaatgtg acctcaggac tgatcatcat atgctttttg cctgtgtagg	180
tggttctaagc gttgtataat cacttaagaa tggacttcat taaatagaca aaatatgaga	240
gccattacac tatttttggt attaagtctt tgaaatccag actgttttac acttgcaaca	300
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<210> 32500

<211> 195

<212> DNA

<213> Homo sapiens

<400> 32500

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agacagacgt atacttttgg ttttggttgt ctttgacca tgtgtgcctt cccacaatct	120
ctatcaaaga gtagatggar tgaatgacaa taagaactaa aatttattga actttctgaa	180
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<210> 32501

<211> 311

<212> DNA

<213> Homo sapiens

<400> 32501

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cctgaaaagt tccttagttt tcttttaatt aaatcagtaa ttatttttaa tgcatcattt	240
caacaagata ccataagtta gttgaatgaa tgcatgtaaa accaaaatgt tgactggcat	300
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<210> 32502

<211> 179

<212> DNA

<213> Homo sapiens

<400> 32502

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<210> 32503

<211> 317
 <212> DNA
 <213> Homo sapiens

<400> 32503
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<210> 32504
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 32504
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 tagccgggtg tggca 195

<210> 32505
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 32505
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 ttgvcawtwa kggthcgggt cttcttawaa ctgaattacc agavgatggt tgtactgaag 180
 aagatgtgag aaaattattt caaccatttg ggvmaagtga atgatgtcct adttgttcca 240
 tatdssraaa gaggctaaa 259

<210> 32506
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 32506
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<210> 32507
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 32507
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<210> 32508

<211> 441

<212> DNA

<213> Homo sapiens

<400> 32508

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<210> 32509

<211> 169

<212> DNA

<213> Homo sapiens

<400> 32509

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aatcccagta	gataccttttg	ttcatcccac	gggatgcatt	ccgccaccc		169

<210> 32510

<211> 404

<212> DNA

<213> Homo sapiens

<400> 32510

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ggccgacttc	ttactagaaa	cggcaaactt	cattgdatta	aggattccag	aatcaaattg	360
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<210> 32511

<211> 459

<212> DNA

<213> Homo sapiens

<400> 32511

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attattttct	ttttccttcc	atttctttct	tcccttctc	tttatcctcc	tttcttggtta	180
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tgggtccagc	ttccattatg	tcctaagccc	agtgcaagaa	tgaattctca	aatctcagac	420
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<210> 32512
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 32512
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 aracmacttc yggayttaaa aaatacagtt tkatgggtgag gtttgggttt aaacaacaac 180
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 aatcyttttt aaattgaccg aacaattgat ggaagggttat ttttaagaaa aagaattatc 300
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 atcatagagc acatcagcca ccacttccca gaggggttct ccaagaagag actttacgaa 180
 gaagagattt aggaaaccta gtctatgtct gtctctccct ccgtcccaca agaaggtgcc 240
 cccgattttt gttcatttga ggcagtatgt tgggaatttt agacaaatta ccctatttca 300
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 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 32514
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 gagcccagat cagtttagtag gctttcgttg tcttctcttt caatacatgt acatctttac 240
 tgtttgaaaa gtgttacagc tgtcaaagaa tcttcatgga cctgaagata atttcttgyt 300
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 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 32515
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 gaacccttc atgtttttca tcagttta 388

<210> 32516
 <211> 173
 <212> DNA
 <213> Homo sapiens

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 tagggtagaa tgccacctgt tgcctgggtgt gtgctaacct ggagcaggta ggggtaagac 120
 tcaatagtca tcttttacca aatgggtttg ccccagggtta ataagagggg tat 173

<210> 32517
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 32517
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 ctggccatgg ccttatract gagacatgca taataagtgg tggttcttgg mcttaggggtg 180
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<210> 32518
 <211> 165
 <212> DNA
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<400> 32518
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 gacaagggct attaaagaag gttcagaggt gtagggagcc aggag 165

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 <212> DNA
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 agatctttta aaaatgcttt ttagaagttt ggcctgcatt tctacctttt tcaccatatt 240
 ctgtctcttc agctacctcc taactccctg aacttaaaac tctctggggt cgctttccat 300
 taatagcttt tgactttggt tcttatgctt tggaaatgta tgccatagcg acattgctat 360
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 <212> DNA
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<400> 32520

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ggattgaaga	aaacctcagg	aggcagtggt	tgtttttaat	ccacactgaa	gagactaggg	180
cagtgggtgtt	tttttaaggg	taagagcatg	tggaaaggag	caaacaaatg	cctgagcaga	240
atccagtgt						249

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 <212> DNA
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tatccatatt	ttcttttatg
	120
atttctaccc	ttggtcagca
ggtacatttt	cagcacagtg
tcttgtacac	tttcattttt
	180
aaaaaatata	ggtgaattgt
attaactttt	atattggaag
tggacattga	gtggacatgt
	240
agacacaaga	tccttgagaa
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aa	282

<210> 32522
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 32522	
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tgattattct	atgctttttg
aggactacaa	tttataaata
tttgtggatt	gaatgaataa
	120
gtgaataccg	gggcaa
	136

<210> 32523
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 32523	
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taactgaggg	ccataragaa
agccttgtag	tagtaaat
	120
tagtaaatag	acatatcaga
aagtttatatg	aatgaaaaaa
tgtacattta	aaaacaaaat
	180
cacttaaagg	accctttgac
tgatgcctct	cagtttatat
ttttatgtga	ctttatattt
	240
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<210> 32524
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 <212> DNA
 <213> Homo sapiens

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<210> 32525
 <211> 267
 <212> DNA
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 acgtttcatg tgaaagtttt tgtatagaca tatacatttg tttcctttcg gtaagtaact 180
 ggaaatggaa tgaatagatc aaaatggtag gtatatatatt acctttttga gaaactatga 240
 agttttttcc cagagtgtatt atatcat 267

<210> 32526
 <211> 80
 <212> DNA
 <213> Homo sapiens

<400> 32526
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 attgagagtt cccacataac 80

<210> 32527
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 32527
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 ttgtgtatatt gtttgaatga gatttcaagt atagtctatg kattacaatt tctacattta 120
 aaaattgcgt ttaaagtata ggctcctcat ttctttcgag ataatttttt tt 172

<210> 32528
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 32528
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<210> 32529
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 32529
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 cgaatgcctt tatgttgtca ggyactttca ggcatggaa ttttgctttg tacaagacaa 180
 atgtagatcc ttcagacctt ttgggttatc aagcatttcc agagcttcct tgacttgatg 240
 ctgaagctca tggcttctaa gtctagaatc acagaagaac tgghagaaag gccatc 296

<210> 32530
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 32530
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<210> 32531
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 32531
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 gatgtgtaaa tttaatgttt aataaagatg taagttatgt ttctaattag gtggaatcaa 180
 aaagaagtcg gc 192

<210> 32532
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 32532
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 cgctttaaaa actctactga aagaaaatca ggaactttcc tatgcaccaa taagagcccc 120
 a 121

<210> 32533
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 32533
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 tccccccact tttttttttt ttttttt 87

<210> 32534
 <211> 346
 <212> DNA
 <213> Homo sapiens

<400> 32534
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 attgttacac aaatgctcga attggtggaa aatcggggca gacaaatgga gttacactca 180
 cagtgtttcc aagatcctgc tgaaagtga cgagcctcag ataaagcaaa gatggattcc 240
 agccaaccag aaagatcttc aagaagacc cgaggcagc ggaccagtga aagccgtgat 300
 thnntgtcac atggcaaagtg ggattgaaga ctgtgatgat cagcca 346

<210> 32535
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 32535
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 aggttaaaca tcaaacaggt ttcctctatt ggccataaca tgtataaaat gtgtgttaag 120
 gaggaattaa caacgwrctt tgatttgaat actagtagah rctggccagg aaaaaggtag 180
 atttttctaa aaattaatgg atcacttggg agccg 215

<210> 32536
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 32536
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 atttaccaag ctgtgttttc atagtgtttt ttaattctct gaactgcttc aggtatctgc 360
 agtgtttttt ttwcatkca aagacttccc acatgtaaca tttcatttgg aattacca 418

<210> 32537
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 32537
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 ccactgaagg aatccctaga cgcacccttc tggatgtgag acaggcggat ctcaccacg 180
 cctgccagca gctcctcgga gaactgtgtt cctgggtcag ccctggccca gaggagcgcc 240
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<210> 32538
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 <212> DNA
 <213> Homo sapiens

<400> 32538
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<210> 32539
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 <212> DNA
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<400> 32539
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 gccagctaac ttggwttttg twtgtttttg tgacctcttc tctcttttdrg ctgtatcagc 180
 tctccaaagc tgggaagctc tgtgttccgg ccatgaacgt caatgattct gttaccaaac 240
 agaagtttga taacttgtac tgctgccgag aatccatttt ggatgggtag gttgaatgta 300
 tatatattca aacttctagg ggcccc 326

<210> 32540
 <211> 155
 <212> DNA

<213> Homo sapiens

<400> 32540

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gagatgatgc	aggcctgaat	ttaaaatgtg	agctaggatt	tgaactcagg	cctgcctgac	120
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<210> 32541

<211> 246

<212> DNA

<213> Homo sapiens

<400> 32541

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tgaattaagt	ggttaaattc	ctctacttgt	aactgaatga	acagtttcag	aataagatac	120
ccaagcaaag	ttaattaagc	aaatgttgct	ctaacatgca	atgactgtat	ctttgataga	180
atatatactt	aagaggcctg	gtgcagtgtt	catgcctgta	atcccagcac	tttacggggg	240
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<210> 32542

<211> 350

<212> DNA

<213> Homo sapiens

<400> 32542

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atagtcacca	catatctact	aatgggatta	aaatgtacaa	tcctaaaagc	ttacttggtta	180
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gggaatacaa	tgctgtgcaa	gmcaaacaag	atccctccat	tcataccact	taaaattcwa	300
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<210> 32543

<211> 241

<212> DNA

<213> Homo sapiens

<400> 32543

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acagtgacta	gcwaaggag	gtctaatcct	caggagagga	ttaggtgaat	atacatcaca	180
tgctgatatg	gtttggctgt	gtccccaccc	aaatctcacc	ttgaattata	ataatccctt	240
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<210> 32544

<211> 395

<212> DNA

<213> Homo sapiens

<400> 32544

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gcaagtttct	ccaagggtat	tttgaaatgt	gttagcaaaa	ctattgcaga	tactcgtttt	240

tgttataggg	tgagggtggg	agaggcgcat	gctanbcnng	ctgttgaaac	tagggatgta	300
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<210> 32545
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 <212> DNA
 <213> Homo sapiens

<400> 32545						
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aa						302

<210> 32546
 <211> 204
 <212> DNA
 <213> Homo sapiens

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<210> 32547
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 <212> DNA
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<400> 32547						
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tgatgtitga	aaagttccag	gaatacccag	gctctggctc	tccctggctt	tcgtagagat	120
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<210> 32548
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 <212> DNA
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<210> 32549

<211> 405

<212> DNA

<213> Homo sapiens

<400> 32549

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<210> 32550

<211> 146

<212> DNA

<213> Homo sapiens

<400> 32550

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ggagtagtca	gaattcaaaa	tgctcaagag	aaagccatcc	aatgtttcag	agaaggagaa	120
acatcaharr	ccaaagcgaa	sascac				146

<210> 32551

<211> 260

<212> DNA

<213> Homo sapiens

<400> 32551

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<210> 32552

<211> 447

<212> DNA

<213> Homo sapiens

<400> 32552

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attgaagtat	ctggaaatag	gtgtttccag	tgtaaatgaa	ttgattctat	ttatagcctt	180
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ctcaataaaa	gcaacgtgaa	tcaagattat	tgatggcagg	gaatagttag	catgacctgt	360
aatgtgaaaa	acagcagaaa	ctggtgtsag	agaatttagg	caaatactaat	ttgcttgagt	420
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<210> 32553

<211> 112

<212> DNA

<213> Homo sapiens

<400> 32553
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<210> 32554
<211> 294
<212> DNA
<213> Homo sapiens

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ctctgccacc caggctggag tgcagtggcg tgatttcact cactatagcc tctgcctcct 240
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<212> DNA
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ggtgtaggct gtagttttca ttggtagtgg ctgtggggtg ctgcatcagc cagactgaca 360
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<210> 32556
<211> 166
<212> DNA
<213> Homo sapiens

<400> 32556
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agcaaaccct ctcccttggc cccttaggat taaatgcgcc ccagga 166

<210> 32557
<211> 415
<212> DNA
<213> Homo sapiens

<400> 32557
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<210> 32558
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 32558
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<210> 32559
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 <212> DNA
 <213> Homo sapiens

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 <211> 129
 <212> DNA
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<210> 32561
 <211> 142
 <212> DNA
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<400> 32561
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<210> 32562
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 32562
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 ctcttctttt ataggtgttg tcagtgtctaa agcattcatt gctgtctttt aagagacaaa 300
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<210> 32563
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 <212> DNA
 <213> Homo sapiens

<400> 32563
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<210> 32564
 <211> 162
 <212> DNA
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<400> 32564
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 aacaccaaag gcacccgggg ggcggggggc accgatgtg gc 162

<210> 32565
 <211> 267
 <212> DNA
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 aagttatgat gaacatnsnn caatgtgydc gntcatcrdw caccatggng dccagaatgg 180
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<210> 32566
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 <212> DNA
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<400> 32566
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 aaaatcagat ccaccctcca agaatacaaga tgtgatatta ttaagggtat tcaaaattta 180
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<210> 32567
 <211> 131
 <212> DNA
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<400> 32567
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ggattgatgc tattctcctg cttcagcctc ccgagtagct gggactacag gcgcccgcga 120
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<210> 32568
<211> 442
<212> DNA
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<210> 32569
<211> 274
<212> DNA
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<400> 32569
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<210> 32570
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<212> DNA
<213> Homo sapiens

<400> 32570
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gttttagccat gtctcttact gaggtctgaa ccaccacagg acatgaacgc aggggagcga 180
ctgaggagcg tggaggtcag ttctcttggg ggggtggagga cgtgacggcg tttactttgag 240
gtaaacctcg caagaggag 260

<210> 32571
<211> 201
<212> DNA
<213> Homo sapiens

<400> 32571
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gagtckwaag ctgtgaatta tttctgcaac ttgctgtctca gaggcccttt tgggaagtgat 120
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<210> 32572

<211> 105
 <212> DNA
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<400> 32572
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<210> 32573
 <211> 307
 <212> DNA
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<400> 32573
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 aatttgaatt tcacagtatg tatatatgaa ggtaaataat tcctcaaagt ttctctgaca 180
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<210> 32574
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 32574
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 gctaaaagggt caaggggaatt gaggatatag aagtgaccat tggtagatg gagttagaga 180
 ctgtggggac ttgaggggat cagagttggc ctgataggaa gggataagaa ggtgaaggca 240
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<210> 32575
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 <212> DNA
 <213> Homo sapiens

<400> 32575
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 ctagtacatc ctgtttctgt cattgtaccc tgtactttgt gggctctgatt atcagttggc 300
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 tacctggcac acagtgggta cacggtttgt ataactaa 398

<210> 32576
 <211> 207
 <212> DNA
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<400> 32576
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<210> 32577
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 <212> DNA
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<400> 32577
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 tcaa 124

<210> 32578
 <211> 169
 <212> DNA
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<400> 32578
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 gdccagaaaag tcttaaatca aggtgccagc aggaccatgc accccctgt 169

<210> 32579
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 32579
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 twaaatagggt tttctcactc tkcttttttt cttcttttta tccctcactc cctcccctaa 180
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<210> 32580
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 32580
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 ccagtgttgc taccagttcc aatcccttat taccattctt gaaccacatt gtgatttgag 180
 tgattcttta atctgatccc agcactatcc tacttaaaac cttttcattg tttctttttt 240
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<210> 32581
 <211> 149
 <212> DNA
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gatctcctga cctcgtgatc cgccccagn 149

<210> 32582
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<212> DNA
<213> Homo sapiens

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gcaaagtcct ttgttttgtt ttgttttagt agttgctcaa gttaagagcc aaattaagta 240
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cactcctttc ccccttttaa ttccctttat 330

<210> 32583
<211> 467
<212> DNA
<213> Homo sapiens

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<211> 236
<212> DNA
<213> Homo sapiens

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aaagtgatct gaaaagcttt tctaaaaact ctaaatctga agtatttatt tcttcaccca 120
taaacttaag gtagtaatac ctttcatggt tgtgcactta atgagataat atatataaag 180
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<210> 32585
<211> 213
<212> DNA
<213> Homo sapiens

<400> 32585
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cagacaagcc cccctcctac ggcccccggc ccctttttta ggtgcttcta actggcggca 180
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<210> 32586

<211> 205
 <212> DNA
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<400> 32586
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<210> 32587
 <211> 112
 <212> DNA
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<210> 32588
 <211> 92
 <212> DNA
 <213> Homo sapiens

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<210> 32589
 <211> 347
 <212> DNA
 <213> Homo sapiens

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<210> 32590
 <211> 415
 <212> DNA
 <213> Homo sapiens

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 aacgttttaga gtactacatg gttgaccaat atctagttct ttactaaaag taaactcacc 360
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<210> 32592
 <211> 447
 <212> DNA
 <213> Homo sapiens

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<210> 32593
 <211> 188
 <212> DNA
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<400> 32593
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 aggcgtgacc cgcaccaagg ccgggatcgg gaccaccgtg cccgggtacc wgcaactgcdc 180
 gcccccca 188

<210> 32594
 <211> 338
 <212> DNA
 <213> Homo sapiens

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 tgatagttag ccctcaaagg cagagataat tgaratcccc tgagamggra tttcaacctc 240
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<210> 32595
 <211> 238

<212> DNA

<213> Homo sapiens

<400> 32595

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ttttagaatt	actgatagaa	cagactatct	aagagtctcg	tgcgaaagat	ttacaatcta	180
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<210> 32596

<211> 305

<212> DNA

<213> Homo sapiens

<400> 32596

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gaagtttcat	ctgtctgggt	gctaaatttt	ctcaatgtta	tgtacccaga	aatggacgtc	180
acatatctca	aaacaatatt	tcagattgga	aggaatctac	ctgcctgtct	gtttcagaag	240
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<210> 32597

<211> 356

<212> DNA

<213> Homo sapiens

<400> 32597

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tccttggtta	tcaataggtc	tatactgtga	taaacattat	agatttataa	ttcaacaaac	120
tgaacattgt	cagtgtgatt	ctggtcacat	aggccaaatc	cagccaaatg	ccaaaatgac	180
actagattta	gaatggaaaa	ttttaagatc	acatgtgtca	agcagtatta	acctgacaaa	240
attccagaag	aggaaagaat	ttggataaac	tcttaagagt	tcnccatawn	nggatgtgac	300
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<210> 32598

<211> 347

<212> DNA

<213> Homo sapiens

<400> 32598

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tataaaaaca	gtaaacttta	acatgaataa	atttttgttg	aaaaagaaca	tgagatacat	120
gagtaaattt	gagctatgtt	tttttgtaat	gtagagaaaa	aaagaatata	aagaaatata	180
cacagtttaa	aacagtggct	gcttttaggt	agtaagataa	ttcatgagtt	ttctctttaa	240
ttatcattta	tatatgtaaa	tttatatact	tgcaaatctt	ttataatgag	cactttttaa	300
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<210> 32599

<211> 235

<212> DNA

<213> Homo sapiens

<400> 32599

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ctattaatag	ctgccttaaa	gtcagtaact	tacccttagg	gaggctgggg	gaaaaggtta	120
gattttggwa	ttcaggggtt	ttttgtgtac	tttttgggtt	ttttaaaaaat	tgtttttggga	180
ggggtttatg	ctcaatccat	gttctatttc	agtgccataa	aaatttagga	agacc	235

<210> 32600

<211> 349

<212> DNA

<213> Homo sapiens

<400> 32600

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gaggagctct	gaggagaaga	atcttggggc	ctagattttg	aggcgnbctg	ggaggggcct	180
cgtttttaaa	tctctcctac	acccgccccct	tctgcccggg	gatggtagtt	tctcagagtc	240
aacctattgg	cattatgtgg	caaattagtc	atgccctgac	caaagtattt	gtcacattta	300
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<210> 32601

<211> 328

<212> DNA

<213> Homo sapiens

<400> 32601

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cactttctct	tagtgggcag	actcgtgtta	gattttgtga	accagctct	ctgatttact	120
ccttttttga	aaacccatgg	aatttcattg	ataaggcttt	cattttgtatt	ttaaggttwt	180
tctgtttgtt	ttgagtatat	acatggtgct	caatagcaac	atcttagcag	atgaagcagt	240
ttatgattcc	actccctcct	gtatgacagg	tagccactat	actgaatcaa	ggtgctgaac	300
tcaaatacaca	aaattctggc	ttaccgac				328

<210> 32602

<211> 292

<212> DNA

<213> Homo sapiens

<400> 32602

taaaaaaatg	ccatggatat	gaaagtcatt	tatttttctt	gaaatattga	tatgtcaaac	60
cgtcagtgat	gattttccaca	ttactgctgg	ggaaagttaa	tttgcccttt	atccacataa	120
atgtgtgttc	tttaatttgt	tatacaatcc	ttagcatgca	gaagaaacat	cctgtaagag	180
cacatgtcat	cttaaagtca	aaatgcattt	tatttatggc	gattatttga	taaaatgcta	240
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<210> 32603

<211> 465

<212> DNA

<213> Homo sapiens

<400> 32603

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agtgaaaact	caggaagaat	tgaagaact	tcttaataag	atggtaaatt	tgaagagaa	120
aattaaagaa	actccatcag	caatacaaa	aagcatctga	agtaaagcca	cccagagata	180
ttactgccga	gttcttagtg	aaaagcaaac	acagggatct	gaccgcccta	tgcaaggaat	240
atgatgaatt	agctgaaaca	caaggaaagc	tagaagaaaa	acttcaggag	ttggaagcga	300

atcccccaag	tcctttgttc	ttttgcagtg	atgtatatct	ctcatcaaga	gacagacaaa	360
tacttgattg	gcattttgca	aatcttgaat	ttgctaagtc	cacacctctc	tcaactctct	420
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<210> 32604
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 32604						
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cccttaattt	ctttttaact	gacaaaaatc	cacagttata	gcttatagat	tcctaagtg	120
atcaactggc	agcmmtttac	caactattca	aattaaatct	tattttaata	atttttnata	180
aaagattaat	aaatgaagca	caaccgaatt	gatgcacatt	tgtaccagtt	gaatattttt	240
aactgtcttc	aattttacaga	acatatgaaa	gtaataagac	atgtgtcttc	tataggttac	300
taaagattag	tcttaccctt	catgaggtct	cataaaactt	aattcagaat	tcttaaatga	360
gcaagttttt	cattgtttta	ggagaaataa	catcagaaga	actgcaacag	cggttagatg	420
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<210> 32605
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 32605						
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gttcacataa	tcacagggag	actaattggg	aatgcaccca	aataattcta	tcactatata	120
ctggattata	gagratgcan	gtaaaaaagt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtatac	180
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<210> 32606
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 32606						
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aatgctgtta	ggagcattgg	tgtacagatt	tctgttagag	tctctgcttt	caattcatat	120
gggtatggac	ctagaagtgg	aattgctgga	tcatatggta	actctgtttc	acattttgag	180
gaagtaccaa	actgttttcc	acagcagctg	caccatttta	cattcccacc	agcaatatac	240
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aatagccatc	c					311

<210> 32607
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 32607						
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atacaaaaca	tccttgaaaa	ttttaatatc	tgaaattaaa	aattcacctt	tttacygcat	120
aggcttaaca	gcagaatgga	agtgccagaa	aagagtcagt	aaacttgcag	ataaatcaac	180
agaaattgta	taatctgaac	aacagagaag	taaatgtttg	aaaaaaatag	cctcagggac	240
ccttttgata	tgggacaata	tcaaaagtnc	taacataaat	gaaattattt	tcckagaaaa	300

tgaggagaga gagaatattt gaagaaataa aaggtgggga a 341

<210> 32608

<211> 238

<212> DNA

<213> Homo sapiens

<400> 32608

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tactctcttg	aagctgaatt	ttcttttact	acttaaata	tttatgtata	tctggtaa	120
tatgaccmaa	ttttgrttag	atgcatacag	taaattgahr	tacacacttg	gtacactacg	180
ggattgttgt	gcttttgttt	ggtttttagt	ggaaataagg	tttgatgtag	atggcgat	238

<210> 32609

<211> 179

<212> DNA

<213> Homo sapiens

<400> 32609

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ctgcacccat	ataagacagc	aaacttaatc	aataaatgtt	gagtatgtac	taactgctca	120
actggccagg	cattcccctt	tctctctccc	tctcctctgg	ctcctattcc	ctgagacct	179

<210> 32610

<211> 266

<212> DNA

<213> Homo sapiens

<400> 32610

atcagcatga	tggtccgcct	aacgtgaggg	gagggggcct	ggcccacctt	agctgcagaa	60
cgcatacttg	acttgggaaa	tgaagcctca	agatagttcc	ccggggagga	gcagtgttct	120
cagactttct	tgacgcttct	agactcaagc	tttcagagag	actcccatga	cagcagccgg	180
gcacctggct	caactgtgtc	atcatgtgtg	tgctcgtgtg	ttctggaatc	ctcccaggaa	240
gattccgcct	tcaggtggcc	cacaca				266

<210> 32611

<211> 166

<212> DNA

<213> Homo sapiens

<400> 32611

aatgaacaac	ttcaggttca	ctgagctgag	cggattccac	tcgctgtgcc	ctcggagcct	60
gcctgaatct	cccggccagt	ctcaaaccat	gcagctgagt	aactgcaagg	gcgcctttga	120
ggagtagcac	gcagagagtg	tcaatgaaga	cctcaaagtc	tggagt		166

<210> 32612

<211> 169

<212> DNA

<213> Homo sapiens

<400> 32612

ccgaatagaa	agggagaaaa	ggmcattctc	tcttctgcca	ttctctctgt	gtacagatta	60
aacatttcct	ttggctctga	tgaactgtta	ggcagittta	cctcaaactg	ttttttggcc	120
taaggaaatc	tgttctctgg	ccttttgaag	ttacattcag	agaccgtgc		169

<210> 32613
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 32613
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 tttttgctgt ttctggagag agctggttga atttggaaac ccatgttggc tgtcccaaatt 120
 atgagatttg ggcatctttc ttttgtggtg gggatgggtt ttggccactg aaagcagaat 180
 gcgctggccc ggaagagaag tccacgagat gtctaagaaa ggcaagtagg cccaaagaca 240
 aagacgagaa gtacatgaag atgcccacaa gtaagtcagc ccaattctga gacgaagyc 300
 gacatcacca hnbccgctct gacaaagtca gaacagcttc tgaggatagr kgaccatgat 360
 ttcagcatga ggcttggtt tggaggccct gccattcctg ttggtgtgga tgtgcagggtg 420
 ragagtttgg atagcatctc agagggttgac atggacttta cgatga 466

<210> 32614
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 32614
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 ttcaaaaata atgaaggtat ctatgatggg ctgagtgttg agagtttgca ccaggbacag 180
 ctgagagaac agctgcgtgg ggacaggaac tatctgggtg agcagattgt ccacagataa 240
 ttcaaagtca tcaaagttca aagggtctgtg agctgtgctt gtttagggat tcatttttcag 300
 tgtctctgta ataagttttg aactgatggc tgttaggggt tccaaaggac agaaccttgc 360
 cttcttttat aaatggaata attttattga taatttctac atctgataaa cctcgtgaac 420
 gtgtgatctg agctaacttc ctgatactgg ctgcagcttt gctc 464

<210> 32615
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 32615
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 gaggaatgat gactggaggt gtttgggggt tttttctgta ttcatttttt aatgagaaaa 120
 gttttaaatg tagtacaggt tagaccaaac tactacctta ctattatagg acgattctat 180
 gtttctgtta aagtattcaa gtagctttct ctgggggaaa aagtaccact tggacactta 240
 aaggaattgg gatttttgtc tacttttgat aaggcagttg acttcttaag taaaagcaat 300
 agtgtaaaat gtcattttgt ttggaatggt aanngagcag t 341

<210> 32616
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 32616
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 atttggtcct agaaacaggg cataaggcaa aatcatgtta attggaaagg caacattttg 120
 cgtaaagaga caatggcawa ttgtttgcat ccctagcaaa agtccccaat tcaagttaca 180
 ggcga 185

<210> 32617
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 32617
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 aatcacatta tactagtatt tttttcaaas wgatatatgg actggaagga tacactttat 120
 aatagagtac ctcttgaagg gggttgagtgg tcaaagaagg aatattactt ttatttgtaa 180
 tgttttaata tttatatgag ggga 204

<210> 32618
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 32618
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 ctagttaatt aaattggcag atttagtaaa acaaacatct tttattcaca gaagtagtgt 120
 agttyackta aattgatgcv mcttaaactct ggaggttggc cattataata ttagcactat 180
 gtgagaaata tgtaatgctg tttansaaaa tagttaatct gagaagttga aggaaacctt 240
 ctaccctgat tttggagctc ctgctttgtc tgcagggatt tmcca 285

<210> 32619
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 32619
 ctacttgggg tgatccaaga aagcttcagg gggaggaggg cttggccttg aagcgaggat 60
 gagagtcctt gtggccctct cctgagccag gcttttttct ctcccaggta tgtgggagct 120
 ggtraacgct gcctgtaact tcgagccaca cgagagcttc ttcagcctct tttcggaccc 180
 ccgcagcacc ac 192

<210> 32620
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 32620
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 accctggcac tttgggaggg cgaggcaggc agatcacttg aggccaggag ttttragact 120
 agcctggcca acaaagtaaa aaccatttc tactagaaat acaaaaaaac tataacaaaa 180
 atatthttcg tgaatthttt cctaccaaaa agatgcataa gctctgtata gtatathttt 240
 aaactthttc aatgtaaaaga tgccatataa atatggaata gctgacatta gttgtgaatt 300
 gaaatattgc tgtatgagat agagggacat 330

<210> 32621
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 32621

caaattggat	cagrkcactg	agttcatcga	gtcttgctct	ggtcacactt	tattgagtag	60
gacattgagt	gtttgtcacc	atctgccatt	catttttaac	ttctgccatc	tgggagggtg	120
tgttwcagg	gttgtgggaa	ggcagggaat	ggataagctg	tgcatttgat	tggatatagaa	180
agttatgagt	atacagggag	gtaaaacctg	catttctactc	ttctggagtc	ttctattccc	240
ttttgctttt	tcttctcccc	aacccgagg	cgatgcttgg	acaccctacc	tagaccttta	300
ctatccacta	tggtagccat	tagccatatg	tgactattta	aatc		344

<210> 32622
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 32622	
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tcctcagttt	ctcanaataa
ctgttaagg	gcctaacgag
gttaaggaag	acaggwccag
ctactctggg	caggaagtca
ggagaactgc	tttccccctg
tcggcttgag	ctactgacaa
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gcgtac	
ggagagtaat	60
aatcgcsma	120
gatgaaagaa	180
tgtctttcgt	240
	266

<210> 32623
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 <212> DNA
 <213> Homo sapiens

<400> 32623	
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gtcagaaagt	ttctgcagta
ggvattagaa	gtgttttagat
gagttaagg	ccgggcatgg
gtgggtggat	cacctgragg
ccactcaaaa	cccttcagt
gacctgtttt	aaagaggctc
gcaagagaag	aaatgggaag
ggtaskgang	tgakstagat
aaaggtttta	aaaactcatt
ctgtaatccc	agcacttttg
aagacc	
catgaaatag	60
actcargctg	120
accttctgca	180
tggamacaat	240
tttaaagaat	300
gagrccagag	360
	396

<210> 32624
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 32624	
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ccctccagaa	gtcagatca
ataagccgcc	ctgtgccaaa
ataggcacat	cgtagataaa
gttaatctta	cccctctcat
cacmaaaaaa	gbgracctct
ggtcttagtc	
aagcaaaaaga	gataatccaa
gattgtcctgg	aattcatctt
tgccctcttt	cctagtttga
ccttgcccta	tggagctcac
catggcatgc	cttccccaaa
gtaaaattgk	atctttcttg
agaagaacct	60
gccttgdtta	120
tttattcaac	180
attttagtga	240
aggctactct	300
tgttcawttt	360
	370

<210> 32625
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 32625	
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ataactggaa	tttttcttca
atttttaaaa	tccttaatgc
	60

ccagcaaaca	gcagacacat	aataggcaac	aatgaatggt	tatggaactg	aactaaacta	120
aagttctaag	cagttattct	ttcacaaact	gttttcnntt	catctctttt	gtkactctta	180
gttttcttgc	ctagcttatt	gcagcagctt	ttgaactgct	gttctttctg	taccttgtct	240
tttccttctt	tgatatggtt	tagctgtgtc	cccaccaga	tctcattttg	aattcccatg	300
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gttctcgtga	atggcaaatg	agtct				385

<210> 32626
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 32626						
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aacatgtagt	tagtaggttc	ttgttttcta	aatctagtct	acaaatttct	gctattaatt	120
ggttttttac	accattttata	cttcaaagca	gctttattta	gatataattt	gcataccata	180
caattcacc	atttaaagtg	tacaatttaa	tggtttttat	tatattttaga	gttgggcaac	240
catcaccaca	atctaattta	aarrcatttc	tatcacctcg	aaat		284

<210> 32627
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 32627						
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ttggaaattc	attcagcaaa	tgtatccagt	acatctattc	tagatctagg	ccagaaactg	120
cccgtggtc	aggatgcaga	tgaacaagag	gtcccaggcc	ctgtcctgga	gggggctcgc	180
agcgtagacc	taggaacatg	ccacttcask	ctgggtgtggt	tgtgattgaa	ggggctgagg	240
aggtgggggc	tgcttggtatg	cccaattcca	gtcaattcca	gccgatggaa	aacaggtaaa	300
accactttgt	cagtagtggt	gagaaggctt	agaaacaagg	gagc		344

<210> 32628
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 32628						
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aaacttgat	ctgccaccag	gagtttgaca	actactttta	cttaaatact	taaagaattt	180
ttttgatgag	atcagtggta	atgttaatga	atgtgggctt	tttaaagtgc	gtatrntgaa	240
cgatgttata	ttgcaaaatc	agtacaactc	agtgaaccaa	gattttctaa	atgacsgatg	300
catgatgtta	aaaaattatt	catgtgtaaa	agattcattn	agagctcaa		349

<210> 32629
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 32629						
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gagaagaaac	atctatattc	ccatcattca	agataaatat	aaaaagtatg	taaatttctc	180

aattaaaaaa atcttttaaac aatagtggtac taataacaac agtattctat aacctgttct 240
 tttctgtaaa aaaaaatgaa gaatgaacac atttacatgt crtcaatgt acattcacct 300
 aatatttgaa tggataaaca gggatcagc aaatcataat ttatt 345

<210> 32630
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 32630
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 gtaaagtagt taagtatctt gaatctttcc taaatcaaca aatttcctca aggctgacca 120
 tagccaaagc gttaaaggna ataaaagata ataattcaga acaaaatctt acttctttta 180
 aatgttttgt catgccctgt gaacacagta aaggtaatgc kcaaatttag tatattgtat 240
 cttaaataag gmataaatac tattttcaga tttagcact 279

<210> 32631
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 32631
 aagtgamaat ttgaagaaaa tattcgaact ttacttcac aattacatga aaagattctt 60
 ggctgaattg gataatagtt tttaaatact ta 92

<210> 32632
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 32632
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 ggacacaaaa ggaacatctc tgcagtcaac aaataagcat ttkkagtatc tactgagcac 180
 tttttgaact attagcatct gtttccact ttggcttagt gaagatnccc atgattaata 240
 ttttctgctt agttcccagt cgctttctgc ccagctgatc ttccccgccc catatggcag 300
 cacctt 306

<210> 32633
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 32633
 tgtgaaccac atatagtttc tattgtatat tgtttatattt ccaatccttt aaaatgtaaa 60
 agccattctt agtttgtggg ccatgcaaaa acaggcacc atagaccatc atttactgat 120
 tcct 124

<210> 32634
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 32634

ataattactg attgaratgt gtaataataa aatatagtgg attcgataat aaactgggtg 60
 agtggaatt ctaggacca tgaagaggtc ctttagcaat tttagatttt actttgtata 120
 aacagctcca 130

<210> 32635
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 32635
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 cataggataa aactttcctt ctgaattaaa gcaaatcttg agattgtaag gcagatggga 120
 aaaaaaatt gttatttttg gcctggcacg gtggatcaca cctgtaatcc atcccagcac 180
 tttgggaggc caaggtgggc agatcacttg aggccaggag ttcgagacca gcctagcast 240

<210> 32636
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 32636
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 tttcgtgtgt ctgaagcttt taatgtaatt ttgttt 96

<210> 32637
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 32637
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 gaaagcatac tcaggcggtta tttctatgtk ctcatctttg gaccttanda atgagatgat 120
 gaggtatttg gtatcaacat ttggcaggaa ggatttgrtt ctatcctgtg catttgcctc 180
 agtatgtgcc tagcattatg agtatcttaa ctcatcttt ctgatctctt tdtctttatt 240
 tcagctwt 248

<210> 32638
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 32638
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 ggcagagaat accctcttc aaatgctttt tctcctatca caagagcgca ttccaatgtc 120
 cctgcccytt natgcagaat tatgccctga attatcagta ataaaaatag attagcctca 180
 cctgtcttcc tcttttgttt tctttctgtg tttgttaaga cccttgataa ggaagaaaaa 240
 ttgtaactga taggctttct caaaaacctc acagtattaa tatataaaaa tgtagttgtc 300
 ttttcattta ttgataacga tctaggaacc cgc 333

<210> 32639
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 32639
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 gtttacctgg ccagctctcc tcasccttca ggggt 94

<210> 32640
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 32640
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 aagtcacctg tggagggagt gtcagtagct agagaagaag gattggagac tgagtccgag 120
 cataccaatg ttcacaaata tggagtctgg gacatcagaa agaagaagca aagagtctaa 180
 aagggagtgg gctaattcgg caagaagagt actgagagta cttaccaga agccaaagac 240
 agtgttttaa aagggataat cacatgtgtc taatgcttct gatagttcca gcaggatgag 300
 gttca 305

<210> 32641
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 32641
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 gagcctcac aggattgctg tgtgaaaacc ga 92

<210> 32642
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 32642
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 gtattatata tgtgaattat ttaacgtatg gaacacccag tgctcatgga ctgcarstgg 120
 gtcwatttt cggacaagtt aagtgaagt tccagccctg cctttctcac ggggacttgg 180
 ataacatgtt taaggacgga aagtaacata tatttccatc tttatctatg aggttcctag 240
 tctttaccaa atatgccatt tcataatgtg gtgttttctc tgtagggaay cagtatttat 300
 gttcactcca agacctgaat ttatatrrta acaacattcc ttcattaagt ggaagtgtcc 360
 cgtctacaac cgttaccctt 380

<210> 32643
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 32643
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 gtaccatggg gttaataatg aaaataatta accattttct ctttgatgca atgctgtttt 120
 acattttttg tcaagtctaa agctagaaaa aaaatgataa aaaccacgca aaatttcatg 180
 tatgatgtta tataatgagc atacacatac ctaaagacca tggcgc 226

<210> 32644
 <211> 106
 <212> DNA

<213> Homo sapiens

<400> 32644

ttccttttat gcgaacacaa ktatatgagg ggttggtgtaa aaattatattt tckcttgctg	60
tactacaaag agatagaatc aaactgcttt ttttcgacat actggt	106

<210> 32645

<211> 235

<212> DNA

<213> Homo sapiens

<400> 32645

ggtgcctggt aacgcccgt ggaggagtcc cagtgtata aggtcccga gaagtgtcac	60
tggccctgag tgggaccgg tagcccggtc gtcgcgcgc ggccgctgtc tccgcggctt	120
ggcggctagg gcaggggaaa tgttgaggga ggagtcggac ctctctctca ttattgcca	180
gatagtccaa aagctcaagg gctccaattt gtactctcag ctggaacggc agatt	235

<210> 32646

<211> 152

<212> DNA

<213> Homo sapiens

<400> 32646

ttgcttcttg aaagggtata gttaagaggt caccagaga gtccatcagg atgcaaagga	60
aatgtatttg gaattcgtaa accatccact tccaagaaaa cttcacagga atatttgtga	120
gatgtctagg taaggactaa acaagggcgg ca	152

<210> 32647

<211> 207

<212> DNA

<213> Homo sapiens

<400> 32647

cacatcaggg aaaatggggt atctatcacc tgaagcattt attctttctt tgtgctacaa	60
acaatccaat tatactcttt tagttatttt aaaatgtaca ataaatgatt gttgactgta	120
gtcacctgt tgtgctatca aatactagat cttactgatt ctgtcgaact atatttttgt	180
accactaac catccccact tcccctc	207

<210> 32648

<211> 192

<212> DNA

<213> Homo sapiens

<400> 32648

caacagtcaa cagtactgga agctgaggct tcagaaccca ggtatggaag gcaggaggtt	60
tgaactatgc tccttgaca gaatgggaag ccaggaaaat gcaaatgtca aactatccta	120
cagggaagtc tctataaacc tccacagaac tcccacaaaa gacacactta gggaaaaggt	180
atgcagccca ac	192

<210> 32649

<211> 302

<212> DNA

<213> Homo sapiens

<400> 32649
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 gggcactgtc tatatacgcc taacacctac atatatttta aaaacattaa atataattaa 120
 caatcaaaag aaagaggaga aaggaaggga agcattactg gggtactatg cacttgcgac 180
 tgattttcttg gctttttatc attttgaact ttatggaata catcggcagc caaaacgcct 240
 cccggggaag gcgccagcga agaatgcac ctaacgttag tcaaggctgc caaggaggca 300
 tt 302

<210> 32650
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 32650
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 ttcttggttt caattattgg gagttttgga tttccaggaa tgtgcaattg taaaaaccca 120
 gcc 124

<210> 32651
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 32651
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 attaaaattt taattttata taaactaact tggagggaaa agaattgttt aaaaatgttg 120
 tgtattctta ttgataatgt tccctgattg aactctgcat cttcactgga ctatgtatta 180
 kgcgtttact acactgattt tacatttacc agcattttctc agtaaaaaaa aaaaaa 237

<210> 32652
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 32652
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 gccaggggaat tgctcagttg ggagctccga gacagcaggc ggggtaggac ggcattgtct 120
 gggcatctgc ctacaccgt gtacgacagg aacaccattt cttccatct gaa 173

<210> 32653
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 32653
 aggtgccgct gttgctgctc gtgttgaatc tagaaccgta gccagacatg ggactggagg 60
 acgagcaaaa gatgcttacc gaatccggag atcctgagga ggaggaagag gaagagg 117

<210> 32654
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 32654

ctgccacact	ctgaagactt	taagaatgtt	taataattga	atgattctgt	atztatatac	60
tcaaaccctg	gcataaaata	ttcttgctaa	ttacataatg	cactgcactc	tggtttacat	120
wataggactt	t					131

<210> 32655
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 32655						
agagaagggg	cccgaatcgc	cgaagggcac	tgcttcgcock	wtttaaaaaa	caaagcaaaa	60
agccccgc	ctgcatcagg	aaggcgccctc	tgccctactct	gggagagaga	aasggcamcc	120
ctcccccttg	ctacgtagtc	gtctgcggag	gcacaaccgt	ggaaacgbra	gccgccacca	180
ccaccaccgc	tcaaacctct	cggcactggc	tggggtagac	ggagcggtg	srmgcgaatg	240
ggataagcga	gcctccagtt	ccccgtcttc	yagascaagt	ggcttcagt	ata	293

<210> 32656
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 32656						
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ccgaaatga	taggatagat	gagttctct	tggtgtcat	agttcagt	agagatgctc	120
agagactagg	agtcagagca	cagtggacc	agagggttg	acttggcagt	atgatgaaa	180
rttgtagtct	gatgtgaatg	gtcagaagag	agagacct			218

<210> 32657
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 32657						
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acttcaaact	gtaccgtcat	ggtggtttac	agaacccag	gctaagctgc	ctactaaagt	120
aaaatgggtt	ggtctcttct	caagtaaatt	aaggagaaag	tgcccagttg	aataagttct	180
tcctccta	ttttcttaag	cctgttcttc	agtgagwagt	gacaargtgc	aggtwattaa	240
atgggcaawt	aggtagaaam	caagtattam	catamcacag	aacttggtcc	tagctgcttt	300
hctttgttca	ttgtacgtc					320

<210> 32658
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 32658						
caagcatatg	aaaaaatgc	acaacatcac	tagtcattag	agaaatgtaa	atcaaaacca	60
caatgaaata	ctgtctcata	ctggtcagaa	tggtgtttac	taaaacatcg	aaaaataaca	120
tgctgggtgag	gttggtgaga	aaagggaata	cttatgcacg	gctggtggga	ctgtaaatta	180
gttcagccat	tgtggaaagc	agtttgga	tttctcaact	taaaatagaa	ttaccattta	240
accagc						247

<210> 32659
 <211> 73

<212> DNA
<213> Homo sapiens

<400> 32659
gaggacggga gaggagtgtg tgtgtgtgtg tgtgtgtgtg tatgtatgtg tgtgctttat 60
cttatttttc ttt 73

<210> 32660
<211> 118
<212> DNA
<213> Homo sapiens

<400> 32660
gttattaata ttacaatcag ttgttaaata atcaaaaagg atcagatgta tgaagctttg 60
taattcacaa ttacatacta gttttgcatg ttaataatat tggtagacatc ctggggcc 118

<210> 32661
<211> 320
<212> DNA
<213> Homo sapiens

<400> 32661
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gaattgtgct aactaaaaat aagccaatca caaaagattt catgtgatgt gattttattt 120
ataataatat tcttgaaatg acaaaaatat agaaatggag aacagattag tagtttccag 180
gggtcagaga gtagaggagg gagggagggtg tgtgtgtcca taaaaacgtt gcgccaggga 240
tcctgggtgag gaagctgttc tgtatcctca ttgctgggtg tcacgnkaat ctacatatgt 300
gatarcattt gatggaacca 320

<210> 32662
<211> 260
<212> DNA
<213> Homo sapiens

<400> 32662
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ttcctggtag ttatcaaata cttagtagatca tgggggttgg gaaatgaaaa gtaggagara 120
agttagattt tactaagacc tgttttactt tacctcacta acaatggggg gagaaaggag 180
tacaatatag atctttgacc agcactgttt atggctgcta tggtttcaga gaatgtttat 240
acattatttc taccgagckg 260

<210> 32663
<211> 316
<212> DNA
<213> Homo sapiens

<400> 32663
ccctgaatgt cttgccaccc ttgtcaaggg tgggctgagg ggaggggggc gtcccaggga 60
ccccctccct cccaacgga tacctttaac catacctcat gctggtttcc agaagcctgg 120
ggtgtwgtmc caagtcctta tcttttcatg gtccctwann gatccccctgt ctctctgtgt 180
tttgcttctc ccaaccctca gttcctaaat catttcnbgg bttccaaatg accattattg 240
atgagaagga ttgtgcagct tttagttttt attttkattt tcaaagccaa agggccttgt 300
gacgcccctc ttgcc 316

<210> 32664
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 32664
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 gcccgctggg cccacaaaat gggggagact acggcgtcca gccagtgagb ccacagtagg 120
 gcaaacttta ggccggcttc gcccaggaac gacacgaaga cagagccaga gaatgggtctg 180
 agcccgcgaga cgccgccacc acctccgccc ctgadgagac tctgggctta aggacaatcg 240
 ccgctat 247

<210> 32665
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 32665
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 aattgtgtgg tttggagtaa gagcagcagt gaggcaagga acttaaactc gttcctgrmt 120
 ccaadmatgc tttatgatac ttgtcctttg tccatcttag tctctgtgtc taaaattagc 180
 amcaacatcc ttcccaggca tgaactgwtg tggatgaagg ttataagggg agaagctctc 240
 tttctggtca kctcttacag tgcctagaac agaactgcag gaatgcatac tttttagaat 300
 ctttatgacc ccaa 314

<210> 32666
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 32666
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 aggagyggga yagtghatag ctggtaaaca tctcctgyaa taca 104

<210> 32667
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 32667
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 actgatgttg tccacattta ttcttttagaa atamatagty attgctatatt wtagtgraa 120
 sccamtatatt wtaagtatgt agccacattt taattwtaat grtttgtcat ttttgtgata 180
 agaataagta tactagattc ttattactag gcttgcggtg aaaatgagca tcagaattta 240
 gacctctaata tcaattttatt attttattta cttttkttct cttgccgtgt cttatgggtg 300
 tgatagacct ttaattttat wtatdtatbt gtwtatttta attttgtttt ttgttttbtg 360
 ttttgagagg aatctcgccc tgtcgcccga gca 393

<210> 32668
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 32668

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tcctcctttt	tccattactt	acttaatcac	agtttagttt	ttttcttwam	ctcgtcaggc	120
ccagagttca	cttctttgtt	tctctgtttc	ttttgtcttg	tcttagagat	gagggggcta	180
cagcagcatc	atgcaaagag	ggaaagatga	agggatagaa	gaagagaaaa	tccccctgtt	240
ctgataggaa	cggcctgttc	cattgttaaa	tggcaaattg	cccaatttaa	gggctttgga	300
tctaatttgc	ctctgatgtt	tcctttggaa	acatttagga	atatttttcc	cccc	355

<210> 32669
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 32669	
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attgtgcatt	tactgtgtgc
catgcactag	gctgagaagg
gatacaattg	taaagatact
ggctctttct	tcattaaatc
tccagsaaag	tagagaaatg
aacaggtaat	tctgtgcagc
ctgtgccctg	gtagatgtaa
atgccaagtg	ttatgccagt
asktgaagag	ttttgaggtg
tcttgcctgc	tttcttatag
caggtaatgt	ttttgctgca
atttgaagag	aaagagttag
gagttagcca	catgaagtgg
ataagggaga	gaaggggaagt
tgagkgaagc	atttttacag
ggggcaganm	tggtggaatt
tgtggtgaat	ctagggactt
gcaggtaact	aagcatggct
gagatggtga	ttgggaatgg
agagaaggga	agtctgaaag
ataagcarag	gctggattac
gaa	

<210> 32670
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 32670	
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aaaataatgc	atagttgtgt
taaactacag	gcaaaaaaaaa
aaaa	

<210> 32671
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 32671	
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aatgactcct	aaaattctgt
gttccattct	tttgactcc
tttgggcaga	agaggtcctg
agaatccarg	aaagctaggg
ttggtatggt	ctgataaaaa
aggaatatca	ctttagggta
gtggcacaca	tcttatccac
aacactggct	gtggggcgcc
actatgcgtg	agggtattaa
tggtgctttt	ccagcgggtg

<210> 32672
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 32672	
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gctagatgta	gcaagatgtt
ggccagcagg	tgaaagtccc
atgggaaagg	tcatgccttc
ctcctgggtg	ctccagaagc
acaggaaatt	gctgttaacg
tgtycttgtc	atctctgacc
tggtcactgt	ggccaaggga
gcacagtgtc	ctgatgaatc
aggtctaaat	tatgtgccta
cacttgaggt	aggggggtgg
aagagtactc	caaagcaaaa
tgmagggacc	attactgcac
agagtggaac	aaagctaggt
agtaagacac	trnatgttca
gggcaca	

<210> 32673
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 32673
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 cactgtaccc cacagcatgc agcagagtgc aaggcacatg ataggccatc aaaaggscat 120
 tgttcamagg ccggggcgtgg tggctctcgc ctgtaatctc aatactttgg gaggctgagg 180
 tgggaggatt gcttgagccc tggagccctg gagttcaaga acagcctggg caacataatg 240
 agaccactgt ctccacaaaa aaattttaaac attagccagg tgcagtggcg tgtgcctgta 300
 gtcccagcta ctggggagge tgtgggagga tcaattgagc ccgggagatc gaggctgaag 360
 tgagccatga tcgcaccact gcgatcgcag sytcaatcac tgcagcctca acctctttag 420
 tccagcctgg gt 432

<210> 32674
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 32674
 agacaaatct tttcttcttc ataaaataga aaagctgcta agaagcagat tttaaagcta 60
 agttttacta aactcaattc atatttataa tctgactcag atagctttct aatctggtct 120
 cacgttgaac tgcccagccc taatcaaagt tgaacgaaag tagactgc 168

<210> 32675
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 32675
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 ggcagaaagt taagcactta aaaatgatgt ccaaggggtg cagggtattt catgaattat 120
 actgtgattg ttgaattaag ctaaaataaa tattatcttg attttattta ccaacatttt 180
 tggtaggatg gaactcaaga ggtagggact gaaccttggg agaacgggga ttggcatgac 240
 cgtgacatta aagtgatcaa tcccctgaca attagcctaa gtttatacag ttatacagtg 300
 ttaagggctc aggttgtctc tccataagca agatagaaag ssyatggmaa gaaataccat 360
 ttccttcttt gaactgaagc catttgagat aaggaatgaa agagtataat ttttaaggcat 420
 ttggtagata ctgttaaaaa aagttt 446

<210> 32676
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 32676
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 tggagggtgtg gctagggaga ctaattgtag gatattttga cataagtgtg ggacacttat 120
 gaattttgcc ttattatng tcaatcttat aaaaatatat gttaagaaac ttatctatat 180
 ctacatcttt aaaatttatg atgagggcac aactttctta agctttctaa tagtataggt 240
 cagtggcttc a 251

<210> 32677

<211> 405
 <212> DNA
 <213> Homo sapiens

<400> 32677
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 aaaattgtac tccccaagtt cagtaggata gtagagaagt cgtgctaagt tgatttcatt 180
 gaaatgtcac gtctcacatc ctgtggtcca aagggtactag tttgttttgt ggaataattt 240
 tctgttcaact tgctgataag aaatttagca gtcagaagta atttttaatt aataaccttt 300
 ctttttaaaa gttgctttat ggtttacaag taatactgat gcaaaaagga tttgttaacc 360
 taaattaagt agcacgcact ttgtttacat gcttcagtat attgt 405

<210> 32678
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 32678
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 ctctactcta tcctttgtgc catgaggttc ggagggcaaa agactttttt ttttgcycca 120
 ggctagarga gggtaagata ttagaggtga gatttgtttt t 161

<210> 32679
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 32679
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 gttgtctaag tagtttctct gtttgcttgt catagcagca tttggaaact caaacatgct 180
 ttcattttaca taaatagttt atgaagcttt gacaacaaat gtaaacagac acc 233

<210> 32680
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 32680
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 gcctgcattt gtcactgacc actgaagtgt atgtttgtgc aaggtagagag ctgggtgctt 120
 tgttctkaat ttggagacaa attgccaggt attgtgtgtg attgtgtttr ntaatttggg 180
 gatattttata tcaccacaaa ttcaggacct agacag 216

<210> 32681
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 32681
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 cggatagctc ttttcttgta acatcctcag tccttcaaga actacacact ctttttacc 180

tcttctctga gaggagaccc tgctctcttc attccccctc ttctagcctg tatttgctca	240
cttcacactt ctaccctcag gcacagagtc ttccctcagg cccaggccac agccttctcc	300
attcctgccca cggcc	315

<210> 32682

<211> 334

<212> DNA

<213> Homo sapiens

<400> 32682

cttaggtggg gccgggggttc caaacctggc ccagagactg gaggccctca gagaccagat	60
tggcagctcc ctgcgacgtg gccgcagcca gccaccctgc agtgagggcg caccgagccc	120
aggccaagtc ctccctcccc attgaaggcs nagtgggaac ccaggagact gctgtgtgac	180
ctcagactgg gctccacact cttgggcttc agtctgccca tctgctgaat ggagacagca	240
gctgctactc cacctgcagc tgggctaggg gcggggamtg ggggtgctat ttaggggaac	300
aagggnnttc aggagaaacc aggcagcagg ggat	334

<210> 32683

<211> 235

<212> DNA

<213> Homo sapiens

<400> 32683

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atccagtttg gattgtgctt actgtcctac ctggcacatt gagggaaatg ggcatttgta	120
acaagaagga aaaaagagtt ttctgtgact ttttcatgtt aagttagggc aatggttggg	180
ttgtggataa ggcatgtgg cagaataaac tagggagctt ttcttttttt ttttt	235

<210> 32684

<211> 253

<212> DNA

<213> Homo sapiens

<400> 32684

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gtgtgtctat gtcatgcctg tatttgaaca tgatcgttgg aaagactgat caaatgttat	120
agtttaggga ccatgcttac ccaatgatca ttcctttaa cgtaaaagctt gaaatttggg	180
aatgacatt tttacaagat ggcaaaactg gacttgtttt gttttctaag gtgattgata	240
tgcccagagca ccg	253

<210> 32685

<211> 319

<212> DNA

<213> Homo sapiens

<400> 32685

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gtattacttt cctccttttc ccacttagca atatagccaa atgtattcaa cataraaatt	120
catagggtct gaaattcata gctgggccaa attttttatg gcaccttagt tttaccataa	180
tggtcatcta ttacactctt cggttataaa atataccctt atttctttwg tttatagtat	240
ctttgaggaa tgtttttggg aaagttaatt tatattttat agggagaaca ctcaataaat	300
tatgttaact gtgccccct	319

<210> 32686

<211> 127
<212> DNA
<213> Homo sapiens

<400> 32686
caacacttat taacttttca gataacataa tctatatata gattaagctt tcagggattt 60
ggaaatcttt ttttctttct cttttttgtt tttgttttat ttttccattt cttttggtag 120
gggggggt 127

<210> 32687
<211> 283
<212> DNA
<213> Homo sapiens

<400> 32687
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acctccccag gcacgggtggg caggtgaccc ggtcatcctg gccamtgcaa ggctacgass 120
aacaccgtgc gcttctggca ggcccacagc ggcacatctgca cccggacggg gcagcaccag 180
gactcccagg tgaatgcctt ggaggtcaca ccggaccgca gcatgattgc tgctgcaggk 240
taccagcaca tccgcatgta tgaactcaac tccaataacc cta 283

<210> 32688
<211> 408
<212> DNA
<213> Homo sapiens

<400> 32688
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ttataattgg tgacaattgc tgtagttgt tttccttgam rtgatgggma tgctttatta 120
atTTTTggaa aaatttctgc cagatatcca attctgaata ataattagtt cttttaagta 180
aaaattacat ttcattgaaag cagcagctag tttggctcac aggtcgaaga ataataagcat 240
aaatgctttt tctcaagaca acaatgctat ttctgtttat gccagaagwa gtactttatt 300
tgtacctcca attttatcac tcagaatatt aaaaacatat gtattttaatg gttgagattc 360
aaagaaaata gtttwtactc ttcttcaaag acattcttaa gtgaagtc 408

<210> 32689
<211> 417
<212> DNA
<213> Homo sapiens

<400> 32689
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atcctttgtt tagctacaat atgatactgc ttatcaagca aatagcaaat gctgagatca 180
tgtatatatg cgggtggggg gtgttgaggg ggggtggggtg tttgttgact caggactatc 240
taaataagcta tcattgtgac atarmaatca ataatagtga tcaactgattt gcagagcatg 300
agaagctttg gttgtggcct ytattcttga gctcagacta tcattttatk wcttctggtc 360
aacattagtg tatacttggg ggcctcaac aaagagaaga acagtggggg atccact 417

<210> 32690
<211> 302
<212> DNA
<213> Homo sapiens

<400> 32690
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 aaatattgaa aatgttaagt attctgttaa gctctatgat gttgggtttca aattgagata 120
 agagatcaga gttaattttg cccgtatgtt aatcagaata attttaatgg tttcgggttg 180
 tgttcttttag gactagtgc acaatagtcc tttcccaaaa ggagcacctc ccagtcactc 240
 agattgtgat gacagacgca ggccaaccac attccgaagc agattatata ctggggccac 300
 ac 302

<210> 32691
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 32691
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 cctcagcctc caaagtgttg gactacagga acatgcctcc acacctgact ga 112

<210> 32692
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 32692
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 ccacatcagc cggcagmccg ggcggtccc 90

<210> 32693
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 32693
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 gtgctgcgc tgctcagcg gaggatgagt caggagtgtg gtgccagac tgggabagat 120
 rdgectctgt gggcatcttg aagggaatg agaagcggag ctcgw 166

<210> 32694
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 32694
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 ttggttaat tttctgtat gatgtgaggt aggggtccag ttccawtctt ttgcttaagg 120
 ataactcngt tttccagca ccttgttggg aaaatacttt gtatccattg aattttgacc 180
 tctttgtcaa aaatcaattg actataaata tttagagttt atttcttgac tttcagttct 240
 atccattgc tctagatgc caccacacg 270

<210> 32695
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 32695

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ctaagcataa tagaaatgca tgagatgcat tttcccttct gggcgtaaag taaaatgttc	120
agctgtaatt tttttaaata aaaatcactg tatgatgttt cataattatg aggaacacat	180
aatcaatgga aagtattttac ataaatttta ataagaaaaa ataaaaacta ttatagatat	240
gatagcataa aggcgttg	258

<210> 32696
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 32696	
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caacttctca gggatattgg catTTTtaaaa agagttagtg rcgmacwga agggtttgct	120
ttasaatttc aggtatcaat gactgctaya tagactgggg actatttgag gggcagaaac	180
actcagggca tcggtttcca agtattgctg cacattagaa tcacctggga ccttttatcs	240
aggttgact mcccagatcc caagtaagct gggggcatca gcagctttta aaaagatccc	300
cacacagttc caaaaaa	317

<210> 32697
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 32697	
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taggaattat tatcttctca gaatttcgaa agttgttgtg ttgtctcaga acttccagtg	120
ttgtgggaga gaaaattaat ggTtcctt	149

<210> 32698
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 32698	
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ccaaaatgtt ccaaaatcca aaactttctg agtgccaaca tgaagctcaa aggaaatgct	120
gattggacca tttcagggtt ttggattaag gactcttact gataagtata atgcaaatat	180
tccaaaattt ggggggcg	198

<210> 32699
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 32699	
aaaatattca aaaataagtc atcttgaaat gtagttcaga aggaactggg agaacatgtt	60
catcatagaa ccaacaattt taaaacataa actacctgag aagtcatgta ggtccaacca	120
tattatttct caggtgagaa aacaggctaa taacttccat gattaaacac attactagtg	180
ggagaactcc agagtcttt tctgactccc attgggtgctc ctctacaag gcaaggaatc	240
tttatattag gtttattcta gcatgacccc tta	273

<210> 32700
 <211> 321

<212> DNA

<213> Homo sapiens

<400> 32700

ataggaaaaa	aaagtctctt	aaagcctaag	tagttaaaaa	tttattttca	catcgggcat	60
ggtggctcat	gccagtaatc	ccagcgcttt	tagaggccaa	ggtgggaaga	tcgcttgagg	120
ctggagttgg	agaccagtct	gggcaatacg	gtgagacctt	gtctctaaat	taaaaaaaaa	180
gaaagaaaaa	aaattggcca	ggcatgatgg	ctcatgcctg	tgatcccagc	actttnggat	240
gccaaggcgg	gtggatcacc	tgaggtcagg	agttcgagac	cagcctggcc	aacatggtga	300
aacccccatta	gcggggcggc	t				321

<210> 32701

<211> 155

<212> DNA

<213> Homo sapiens

<400> 32701

ttgaattgtg	tgacttgaag	attaccaatg	atthttgaggc	ttttctataa	taaaaagagg	60
ttctaaccat	tatttgaggaa	caaagagagt	tttcatctwt	ttktcagad	tcaaaacat	120
tctgtaaaat	ctttgtdgtt	taattaaatg	tgacg			155

<210> 32702

<211> 320

<212> DNA

<213> Homo sapiens

<400> 32702

cgtgatgggg	ctggagagtc	gagtcggggg	tctggcagcc	gagaaccagg	agctgcgggc	60
cgagaatcgg	gagctgggca	aacgcgkama	gggcmctbmm	agggaaggar	agtccgctac	120
ctacgggcag	tcttagccaa	cgagactgga	ctggctcgct	tgctgagccg	gctgagcggc	180
gtgggactgc	ggctgaccac	ctcgtctctt	agagactcgc	ccgccggtga	ccacgactac	240
gctctgccgg	tgggaaagca	gaagcaggac	ctgctggaag	aggacgactc	ggcgggagga	300
gtctgtctcc	atgtggacaa					320

<210> 32703

<211> 246

<212> DNA

<213> Homo sapiens

<400> 32703

cgtagagtct	cggcctgggc	agtcacgtgg	tggtcactcc	tggatgtgct	gtcctatcca	60
gcctctcaca	gctgccaccc	gggtatagrc	aactggggaa	agtggggccg	gccacagcca	120
tagccccagc	tagtgacccc	agttagcacc	caccgtccag	agggctccct	gcaggccagg	180
ggtccccag	cgtcaccctg	ttggggagrg	aagaaagggg	gttcagagggc	cggtagcctcc	240
cctaac						246

<210> 32704

<211> 178

<212> DNA

<213> Homo sapiens

<400> 32704

aatgaactac	ttgtgcaaca	acatgaatga	atctcagcaa	cattatatgt	atgaaagaat	60
ctagacgaag	tacatacgtt	agaaatttat	awtcctycta	tttttatgaa	attgaagaac	120

agatatatct aatatgtggc cagaatcggg gcaggaattg tctataaaag gagcatga 178

<210> 32705

<211> 419

<212> DNA

<213> Homo sapiens

<400> 32705

accatcactc	tagratcaca	gtgatttttg	catggctttg	tctcttttcc	tgactgtacc	60
cagctgttaa	gctacactaa	ttactagggtg	atgctgtgta	agtcatttct	tggtgtcctt	120
gggggattgg	tcccaggacc	cccccgtttg	atataaaaat	ttatggatgc	tctagtccct	180
cataaaatgg	cacggtattt	gcatataaccg	gtgcacatcc	tcctgtatgc	tttgtcattt	240
ctagattact	tataatacct	aatatgggtgt	aaacactagg	taaatagttg	ttatatattt	300
tttatttgtc	ttatttttat	tgtattttaat	ttttaagtgt	ttttaatctc	gagtgtattga	360
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<210> 32706

<211> 71

<212> DNA

<213> Homo sapiens

<400> 32706

cccaaattcca	aattttaactt	cagccacaaa	ctaattagca	tgtcacccca	ccaaagattt	60
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<210> 32707

<211> 279

<212> DNA

<213> Homo sapiens

<400> 32707

aggctctgcc	ctcttcccgc	cccgccccta	gggtccagct	cccttcacct	aggagctgcc	60
aaacatctgg	atcaacctgg	gcactacgag	gggttgaatt	tctaccatta	tcgcgccttt	120
tgatattttt	ttccagacct	cctgctcaca	tccgtaaagc	ccactgattc	ttttactaca	180
ctttttatga	gaacaagaga	ttttctagga	agatgggtggc	agaaaaagag	accctgagct	240
taaacaaatg	cccagacaag	atgccgaaga	ggaccagct			279

<210> 32708

<211> 72

<212> DNA

<213> Homo sapiens

<400> 32708

attcttttcgc	tgtgsscaat	tagctgctgc	cgtgccttgg	agtnccggagt	aacttggcca	60
ggctggcccc	ga					72

<210> 32709

<211> 167

<212> DNA

<213> Homo sapiens

<400> 32709

ttgaactcat	aaaaacgaat	ttcttactgc	tgattttaa	cattagtcag	aaagaccggt	60
gtgtttaagc	agccagactt	gccattctta	gcacttcstt	gratttaact	tctactcagt	120

gttacctact ggtagagtaa gttcattttt ttaaaatgac ctgctgt

167

<210> 32710

<211> 372

<212> DNA

<213> Homo sapiens

<400> 32710

cactgtgctt attattatta ttttctattg tagagatggg gtctcactgt gttgactagg	60
ctggttttga attcctggcc tcgggcgatc ctcccgtctc agcctcccaa actgctggga	120
ttacaggtgt gaggtactgt gtccagccag aaaagattct tgatatgatt ttaattcttg	180
taaattagtt gagatttgtg tttttttttk gtkgttggtg tttaacatgk ggyctatcct	240
ggagaatgtg ctgatgagaa gaatgtttat yctgwagctg ttgggtgaaa tgtcctgwaa	300
atgtctgtta ggcccagttg gtcwaaatct aatgttttct tgtkgtttb ctgtctagat	360
gatctgtccc ga	372

<210> 32711

<211> 182

<212> DNA

<213> Homo sapiens

<400> 32711

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tgaaatgtta aagagtttat gggggaaaaa ttcttcaccc ttgtgacttt gtctgatttt	120
aaaaatccaa gagttttatg accgagaaaag ctgagttaac ttgattttct ggaaccaata	180
tt	182

<210> 32712

<211> 306

<212> DNA

<213> Homo sapiens

<400> 32712

cagggttaagc gatgatgttt ggtagtttag gtatattaaa tgcatttctg acatacaata	60
ttttctactt aacaatgggt ttttcaggat ataaccctgt tgtaaagttg aggagcatct	120
tattttattt atttatttat ttatttgaaa tggagtcttg ctctgtcacc caggctggaa	180
tgcagtggca cgatcttggc tcaactgcaac ctctgcctcc tgggttcaag caattctcct	240
gcctcagcct cccaagtagc tgagactaca ggtgcacacc accatgcctg gctttttttt	300
tttttt	306

<210> 32713

<211> 211

<212> DNA

<213> Homo sapiens

<400> 32713

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cctcaggtga tccagtaacc tcggcctccc agcgtgcctg ggaattatag gcgagagaca	120
ccgtgcccag ccsactttct ttttcttta cccactgat cactcctagt ctcttactga	180
tcctcttgcc taacctccat tttttttttt t	211

<210> 32714

<211> 406

<212> DNA

<213> Homo sapiens

<400> 32714

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tgacaaggaa	gatggtcttt	ccttcmggac	tggctccctt	caataaggaa	atcattatgg	180
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tctctctgcc	aactgcacaa	gtaaatctat	atagatttcn	tcctgatgcc	atttgtgata	300
tattgctccc	tgaaaagcat	tttcctgata	ttttatgaaa	atvyttgaaa	ttggccctaa	360
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<210> 32715

<211> 295

<212> DNA

<213> Homo sapiens

<400> 32715

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tttcagagtt	cttctctgta	gcgcagaccc	cactgcatat	gcagggtgaat	tgaacatctg	120
accttcatca	cattgtcctt	gggacatgga	aactgactca	aggcatgggt	tataaggcga	180
gagcattttg	ggggggccat	ggtgtggaca	ttggacatgg	atgacgtcag	gggcacgttc	240
tgtggcactg	gccctttccc	ccttgtctac	gtattgaatg	atatacctgg	acggg	295

<210> 32716

<211> 202

<212> DNA

<213> Homo sapiens

<400> 32716

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taaggctgct	gtgaacattc	gtgtgcaagt	tttttgttgt	tgttggaattt	ttttttcttt	180
tttttctctt	tttttttttt	tt				202

<210> 32717

<211> 241

<212> DNA

<213> Homo sapiens

<400> 32717

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tatttttaaag	ttatataatt	gggtccagca	gaagatgaaa	ttgtgttttt	ctgattaatt	120
gactttgttg	gggagaaaag	attttcttcg	cccattgcct	agattcatgg	ctgagacccc	180
tttaacaaaa	gacagattaa	caaaagaaat	gcatgtgatt	ttatatttta	ttttatacac	240
a						241

<210> 32718

<211> 462

<212> DNA

<213> Homo sapiens

<400> 32718

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ctgtcccagc	atctagggac	tgcctgtgtt	tcyttggctg	gtgggtccctt	cctccccttc	120

aaagccagcg attctgtgtc ttctaatttc tctcatgctt ctctctctct gtcactgtaa 180
agacccttga gattacattg ggcccacctg aattaccag cataatctcc tcattgtaag 240
atccttaact taatcacgtc tgcaaagccc cttttgccac ctaagggtgac attcccagtt 300
ctgtggatta ggacgatgac atctttgttg gcaggagggtg gcattacttt gcttgccaca 360
aggttgaaaa aaaatgttgc ttaaaatgga tatttttagtg aaatcactgt tgtaaagggtt 420
ttttttgttt tcgtttgttg tttagagacag agctcactct tt 462

<210> 32719
<211> 287
<212> DNA
<213> Homo sapiens

<400> 32719
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aatcagtgga agactgtgct gccctcggtt gtaaagttgt gaatgccatc gcgtgagtc 120
tattgcattt catcaaagct ggggtggtgt aattagtcag atttagttgg ttttgaatat 180
ggacaattag agtgagcttt catcacgtgc tcctttgtac agagccagac cttctccctt 240
gtgttccgtc tcagcattat gcattccagt tgggttttcc ccagcag 287

<210> 32720
<211> 124
<212> DNA
<213> Homo sapiens

<400> 32720
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gggccatctc agctcactgc aacctccgcc tcccgggttc aagcagttct tgtgcctcag 120
gcc 124

<210> 32721
<211> 218
<212> DNA
<213> Homo sapiens

<400> 32721
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tgaagggtga aatatcattt gtaaagtgtc agggtcagac agtttcctga gtcaggctta 120
gagctgctgt gcagtgttca tccatactcc caagtagccg ggaccagtcc tgatttgctt 180
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<210> 32722
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<212> DNA
<213> Homo sapiens

<400> 32722
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ataaacatct atgtgtaagt ttttgtgtga caagcaattt ttaactcctt tgggtaaata 180
ctaaggagta caattgctgg atcatatgtt aagaatatgt ttagttttgt agaaaattgc 240
caaacggtat ttcaaagcgg gc 262

<210> 32723
<211> 396

<212> DNA
<213> Homo sapiens

<400> 32723
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ataaattttt cttccctccc ttctgtctga tgtatgtatg tatgtatgta ygtatgtatc 180
tatctcnbct atctatctat catctgtcta tctatctatc tatcatctat ctatctatct 240
atagtctgcc tatctgctat aagtaatata tttcaaaatt aatattttaa ccaaataact 300
aaggacatat tttatgtata tgtggaatgt aggggtactt aagagggatt ttttaatttc 360
ccacaaataa tcttgtaaat tcaatcaatg ttttat 396

<210> 32724
<211> 152
<212> DNA
<213> Homo sapiens

<400> 32724
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tcctttgtgc ctgcaattgt gagttatgac gatggcgagg aagactttgt tgggaacgat 120
cctgcatcaa ccatgcatca acaaaaagca ca 152

<210> 32725
<211> 353
<212> DNA
<213> Homo sapiens

<400> 32725
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ggatgtgtt tgggttgagg gtactgggaa taattgttga gaattattgg agcatggcga 120
tatacaaaat agaccaaatt ttccattggtt ttgttattat ttttaaactc cttcagaca 180
atgcccgat tacctgagcc cagcacaggc cgctctcacc acctgtcccc ttggtacacc 240
attgactaga aaatcatttg ttgacatttt gctttcatcc taagatttga agtcctcaag 300
gcagtsctcg cgtccttttc atttgggcat cctcagtact cagtatgatg cct 353

<210> 32726
<211> 95
<212> DNA
<213> Homo sapiens

<400> 32726
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ttgcctaact cagggcatg aagattttcc cctac 95

<210> 32727
<211> 244
<212> DNA
<213> Homo sapiens

<400> 32727
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tgcaaatggg aatgaggctt ttgtgtatgt gtgtgaaatt caaaatccat ccctactcta 120
ttaactctgt aaagaaagt acaccgtagg agaccatagt agtctgaaca aaagggcttc 180
tattgtacaa aaccaatttc catgtaatca agttgggcga cagagtgttt gctcttgaat 240

ggcg

244

<210> 32728

<211> 405

<212> DNA

<213> Homo sapiens

<400> 32728

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gctacgtata	aaagtgtttt	cttccatcaa	taaaagaaat	cagcgaacag	cctcctgtgc	180
gtttcagtaa	gtgcaagccc	tccttgatc	cccagacctc	agcctgctca	ttaatgggtg	240
aggacactga	ggyctggagg	ggactgtgac	atcggagcca	ctctcctggg	gtctgccact	300
cctgtcgcc	cccatacaaa	cctgagtggc	cacgtgaccc	tgggggagcg	ctacctaact	360
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<210> 32729

<211> 369

<212> DNA

<213> Homo sapiens

<400> 32729

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ttgccatckg	gcagctmkgt	tctcaaagtc	ccctttgggtg	tttgaactct	gtcaattcag	180
tgttgccatg	tgttctctctg	taaagagggt	aatactttct	catttgatc	tagtgaaata	240
ctccaggtaa	catccatcca	tccccttctg	ccgacctct	ctacccgcca	tgtcccctgc	300
tgttaactgcc	cattaatcag	ccctgagctt	gccaatagga	aaacgcatcc	acggggctgt	360
gaactcaat						369

<210> 32730

<211> 182

<212> DNA

<213> Homo sapiens

<400> 32730

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tacgatttga	tagtgttggt	ggcctgtcta	atcatatagc	agctctaaaa	gagatgggtg	180
tt						182

<210> 32731

<211> 316

<212> DNA

<213> Homo sapiens

<400> 32731

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tkwtactakt	agatgggggt	ttgccctgtt	ggccaggctg	gtctcgaacc	cctgacttca	180
ggtgatctgc	ccacctcagc	ytcccagagt	gttattatta	caggcatgag	ccaccgtgcc	240
tggcctggat	cttctctttt	ctaaggaaaa	gccagaaatt	cgaattattt	acttgagatc	300
tgtcaatttt	actttt					316

0014220" 666E7560

<210> 32732

<211> 171

<212> DNA

<213> Homo sapiens

<400> 32732

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gaaatataga	gagcccaaaa	tagctaaaac	catttttaaag	cagaagagcg	g	171

<210> 32733

<211> 245

<212> DNA

<213> Homo sapiens

<400> 32733

aaatatttca	tattagggag	agctctgtgc	tgccctttcc	caaagctttg	gttatttgat	60
gggaggggaa	gtcttctcga	acctatgtcm	gaatatkcgc	ctttgraaga	ggagggtttt	120
tcttgaggct	agttttgtac	ctgctgtwtc	ttttagaaat	gattgcttta	tggatttaaa	180
aggtgaccca	aatgactttt	ttattattat	tatttkttaa	tgctgggagg	agtttgcgta	240
tgtgt						245

<210> 32734

<211> 119

<212> DNA

<213> Homo sapiens

<400> 32734

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<210> 32735

<211> 288

<212> DNA

<213> Homo sapiens

<400> 32735

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aggaaaggaa	ggaggaaaat	aaggcagggg	aaaaacacag	aaaggttggg	tgggggagcg	180
agaaggaagg	agagaaggag	agagaaagga	gagaatgaga	atatgagtgg	gagcttgtga	240
gcttttccac	tctggtacta	ttatctggca	tgatggccct	caaggcaa		288

<210> 32736

<211> 307

<212> DNA

<213> Homo sapiens

<400> 32736

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caccattttc	cccagcccaa	ggttggggca	ggggcagact	aagcttccca	agtagtggtg	180
tatacctaag	aagggcctct	tccaaccttg	ttttaaaatt	gggccctgac	ttccagaaac	240
acgttatcag	gtggaaacac	ataaaggctt	agaacttagg	gcctgaaaat	gatgcatccc	300

agagaca

307

<210> 32737

<211> 217

<212> DNA

<213> Homo sapiens

<400> 32737

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gctgacaata agatatattc taattcttaa aagtatacgt ttacatagac acgtgtataa	120
ttttacacac acgtaagtat gatataaaaa cttagtctgt tgtatTTTTT tttcccctgg	180
ttgctcttca ccacctgggt ctctcacctc cacctcc	217

<210> 32738

<211> 383

<212> DNA

<213> Homo sapiens

<400> 32738

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ctcaggagcc cacctcgccc tcccaaagtg ttgggataca gatatgagcc accacaccca	120
gcctagagta gagccatttc ttgtagagta ggtctgctag tgatgaatta tgtctttctg	180
tttatctggg aatatctttt tctcctttgt ttttgaagga tagttttgct ggattttggg	240
aatgtttggg ttacattatt ttagcttcca tggtttctga tgaaaaatat gtgttatctc	300
aaggatctct tgtgtgataa gacacttgtg ccggtttcaa grttctcttt gtctttgttt	360
tttaagagtt tgattgtatg cta	383

<210> 32739

<211> 77

<212> DNA

<213> Homo sapiens

<400> 32739

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tgcacttttt tttttt	77

<210> 32740

<211> 387

<212> DNA

<213> Homo sapiens

<400> 32740

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taagtctgga gtgttgagag cctgtggaca cttccatggt kgttttgaag tcccaaagcc	120
ccctcactgg agtggcagag tctgaaaaac tgcacactga acccaaagt ccttccttag	180
cagtgtggag tatactctcc ccacactgtc acttttctag atgaggcttg gaggtgtgtg	240
aggaagggag ctsgccttat cagccctcgc ttctagccag tatgattcta aaactgtcct	300
gggaaaaaga aaagaaaacc aggagccagg agcagaactg ggagcctccc tcttttgaca	360
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<210> 32741

<211> 150

<212> DNA

<213> Homo sapiens

<400> 32741

caaaactatta	tattttacaga	caaagatagt	aacattttggt	ccaggagaag	atgccaaagaa	60
gcaaaaaaact	attgccaaaga	gaagtaattg	cttatttccta	gttagtaaaaa	gtgacatatt	120
ctgagttgat	gctttaactt	ttccacaccc				150

<210> 32742

<211> 193

<212> DNA

<213> Homo sapiens

<400> 32742

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cacgaccggg	cctctccctg	gcgtttggtc	acctctgctt	cattctccac	cgcgccatg	120
gtccctcttg	gagccagcgt	ggcggggcctg	gcggctcccg	ggtggtgaga	gagcgggtccg	180
ggaacgatga	agg					193

<210> 32743

<211> 312

<212> DNA

<213> Homo sapiens

<400> 32743

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tctcttttca	gttttggttg	gtctataagg	aagttaggga	gtggcatgaa	gttagggagt	180
ggcacaaagt	aagtgtctca	taaatatttg	ttaaattatg	gtatttatgt	ctttctgata	240
tttatccaag	agcctgaaca	tgtaacatt	gattaaatgt	gtacacacat	gaaggaacaa	300
ttgagtgggt	ga					312

<210> 32744

<211> 243

<212> DNA

<213> Homo sapiens

<400> 32744

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gatatcggtta	tctacttatt	tatattaatg	acaggatata	cctgggcaaa	cagcatcacc	180
actgtactgt	gtattcttgg	ttgtcatggg	aacctttgct	gtgaaccagc	agtgagagca	240
ctc						243

<210> 32745

<211> 157

<212> DNA

<213> Homo sapiens

<400> 32745

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caggaaggat	gtggagaaag	ctgagtgtca	aagtcagtat	tcaagaccgg	atttactgct	120
acttagagat	gaatgaagaa	atcagagggg	acgcgac			157

<210> 32746

<211> 355

<212> DNA

<213> Homo sapiens

<400> 32746

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aatagtctgg	gcatgatggt	gtgcacctat	agtctccagc	tabtcasgag	cctgaggcag	120
gaggwtcact	tgagctkagg	agttcaagga	tgcagtsacc	tgtgattgca	ccactgcatt	180
ccagcttgga	caacagagtg	agaccctgtc	ttaaaattta	aattttktgt	yttwtggtag	240
agatggggtc	tcgccctgtt	tccgagctg	gtctcgaact	cctggcctcg	agcaattctt	300
ctgccttgcc	cttccaatgt	tctgggatta	caggcatgag	ccrccacacc	ctagc	355

<210> 32747

<211> 261

<212> DNA

<213> Homo sapiens

<400> 32747

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agaagactgt	ggatagccag	ggccccacac	cagtttgtac	accaacattt	ttggagaggc	120
gaaaatctca	agtggctgaa	ctgaatgatg	atgataaaga	tgatgaaata	gttttcaaac	180
agcccatatc	ctgtgtaaaa	gaagaaatac	aagagactca	aacacctaca	cattcacgga	240
aaaaaagacg	aagaagcaag	c				261

<210> 32748

<211> 365

<212> DNA

<213> Homo sapiens

<400> 32748

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tttaataata	ttcttaacag	tgctgaaagt	tagcattacc	taaaabtgac	ctcaaactta	180
gtagtgtttg	ctgtaacact	agaaaaaaat	aattacctgt	aggttgctgt	aggccattca	240
gtgttctctt	cttgatcctc	cctctgtcct	cwgtatttgc	catcagtacc	tgcccttgacc	300
tcaggagcaa	gaagagttgr	caagaatgas	ccctcttggt	accgraaggc	attgtgtcca	360
gatct						365

<210> 32749

<211> 438

<212> DNA

<213> Homo sapiens

<400> 32749

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tattgtttta	atttttattt	attttgaggc	tgggttatga	gactggcagt	cttttttttt	120
gtattttttt	tgtagacatg	gggtttcayb	atgttgccca	ggctggtctt	gaactcgtgg	180
gctcaagcga	tctgccatc	tcagcctccc	aaaatgctgg	gattacaggc	atgagccgct	240
gcacccggcc	atgttttact	ttacaaagat	ttatactgaa	tacttggtag	agccangtcc	300
ctgttgga	atattggatg	atgtgataaa	cccaaggata	tttgagatt	gtcagagacc	360
tggtgtgtg	gccttatttg	aaaacttaaa	ttagctaaag	ggaaacaaaa	tgcttattta	420
atagttaatt	agttgaat					438

<210> 32750

<211> 112

<212> DNA
<213> Homo sapiens

<400> 32750
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ttcttatcta ttgcatcttt tttaaaatta aatttttaca ttatctgtat ca 112

<210> 32751
<211> 358
<212> DNA
<213> Homo sapiens

<400> 32751
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tgggattaca ggcgtacccc accacgcccg gctgattttt gcatttttta tagagatgga 120
gttttgccat gttggccagg ctgggtctgga actcccgggc tcaagtgttc tgcccacctc 180
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ttttagtaga gacagggttt cgccatgtcg gccaggctgg tcccgaactc ctggcctcac 300
gtgatccacc tgccctcacct cccaaagtgc tggaattaca agcgtgasct ctgcgcct 358

<210> 32752
<211> 79
<212> DNA
<213> Homo sapiens

<400> 32752
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cacaaatgac ataatttac 79

<210> 32753
<211> 373
<212> DNA
<213> Homo sapiens

<400> 32753
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tgagagtcca gaaatagacc cttaacttta cagtcagttg tgtttttgac aggggtgtta 180
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aaaccactaa gctcagataa atgcatggat gaaccttgaa aacgtatggt aggtgaaaga 300
agtcagacac aaaaggccac acgtttattt gaaattctgg aataagcaaa ttcaggacaa 360
ggaatagatg agc 373

<210> 32754
<211> 322
<212> DNA
<213> Homo sapiens

<400> 32754
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aggagggtgt tgttgaagac acctgaaggc agcacgtgcc tctccttttc acctgcagct 120
gctctcactg agctggcagt catatgccat tctttctttc tttcttcttt ctttttgagg 180
cggagtttctg ctctgtcgcc caggctggag tgcaatggtg caatctcagc tcaactgcaac 240
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attacaggca cgcaccacca tt

322

<210> 32755

<211> 153

<212> DNA

<213> Homo sapiens

<400> 32755

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atacagctga	tacacgcaga	ccagatctgg	tcaggctctc	ggaagctgag	tccagagcga	120
tgctgctgaa	gacagtgtct	ttgctgggac	ata			153

<210> 32756

<211> 421

<212> DNA

<213> Homo sapiens

<400> 32756

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tttgtttagg	ttcctttag	attctcgatt	agcccttttc	agatggatag	attgcaaaaa	120
ttttctccca	ttctgtagg	gcctgttcac	tgtgatgata	gtttcttttg	ctatgtagaa	180
gccctttagt	ttaattagat	ccatttgtca	attttggtct	ttgttgccat	tgcttttggt	240
gttttagtca	tgaagtcttt	gcccatgcct	atgtcctgaa	tggtattgcc	taggtttctt	300
ctagggtttt	atggtttttag	gtcttatgtt	taattcttta	atctgtcttg	agttaatttt	360
tgtataaggt	ataaggaagg	ggmcagtttc	agttttctgc	atatggctag	ccagttttcc	420
a						421

<210> 32757

<211> 155

<212> DNA

<213> Homo sapiens

<400> 32757

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acatagtttc	ctggaacaag	gtaacaactc	aggaaatact	gtatatttcc	tgatactgga	120
aatactggag	tgacatgaac	ctaaaactca	gtgcc			155

<210> 32758

<211> 381

<212> DNA

<213> Homo sapiens

<400> 32758

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aggactacag	acattcaaca	cbatgcctgg	caagtttttg	tattttttgt	agagatggca	180
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gcctccagta	tttgattgtc	agatgagtga	taaaagtcat	gattggtag	agatcagacg	300
agggaaagct	ctagaccaaa	aagagttgga	ataactttat	ggaaggggag	ggattttaa	360
gaagccatga	attagaggtg	c				381

<210> 32759

<211> 376

<212> DNA

<213> Homo sapiens

<400> 32759

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aatgtgtttc	aagctatcca	atgagttggt	aaaaattact	ttaatgcaaa	gaactacgta	180
ttttaactta	ttggagatca	ggtttccttt	ttcagaacag	tgataaaaag	gtcacttttg	240
agatatccca	tgaaactctg	actgattaac	atgatatatt	cccttgtaaa	tttaggactg	300
atatttttaa	acataaaaatt	gccaaacttaa	aaaaataaca	accttgtttt	acaacaagag	360
ttttcctgga	gagctc					376

<210> 32760

<211> 248

<212> DNA

<213> Homo sapiens

<400> 32760

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ctggtgggga	tggaggamga	aggcattagt	amraggttaa	tcaaacgtta	caacttaacc	120
ccattcatgt	aggaataaat	caagtgaagca	gttccagact	tttgcataak	atTTTtKacta	180
tgatgctgtt	ttattaatat	tttctaaatt	tcaaaacaaa	aagtgaatgt	ttgaaattgc	240
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<210> 32761

<211> 407

<212> DNA

<213> Homo sapiens

<400> 32761

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tacatcatgt	attgtagcca	acacactgga	ctacaaggaa	tggattctct	cttggttaatt	180
tcctcctctg	tctccaaccc	atcctctcaa	atcccaaaaag	cctaaataaa	tacatttatg	240
ttggtgtggt	actgatttca	aggaaagggt	ctgtacgggt	ctgtgtggaa	acctgaaatc	300
cactatgcag	agtagtgaaa	ccgaaatggg	ctacaactgt	ttgcctttgt	tccaaaacaa	360
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<210> 32762

<211> 93

<212> DNA

<213> Homo sapiens

<400> 32762

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ccagtagaga	ggagcatgag	tatcccagga	gaa			93

<210> 32763

<211> 71

<212> DNA

<213> Homo sapiens

<400> 32763

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<210> 32764
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 32764
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 caccagcta attttttaaat ttaattttta tttttttttg tagagatggg gtctcactat 120
 attaactaga cttgtcttga acttctggtg tcaagtaatc ctcccaattc agcttcccaa 180
 agtgctggga ttatagatat gaacctcktc ctgttttcaa gttcactatt gtttttcctc 240
 taccgtttcc agactgcgaa ggagagttat ttctgattca aattttttat ttctggattt 300
 tcccatttg ctctttttta tagtttctgt gtattcactg aagttcccca cctctccatg 360
 catgttgctc acattttcca gttaaattctt tagcattt 398

<210> 32765
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 32765
 tatcttgggg accagctaag tctctgcagt agtgtgaaat tccaaatggg tgttttatca 60
 ttggtttggg ttaccacaaa aaaggcaggg aaaaaaaaa 98

<210> 32766
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 32766
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 tacaatcctg taaaaggtag aataacagtt aacattggga aaatatcaga ttgaggtgac 120
 atttatacat ataaaatctt tcagtgatgg attactcttg tcaagcattt tgctttattc 180
 agatattttc ccagttgtca ccattgccta acacaaaaca gcaaagatga gtagtgtaac 240
 attgttaaatt gttaagtcgt gctacacatg tgccttttct catcctccag cacca 295

<210> 32767
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 32767
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 attattttaa tagcktctta ggaggtgtga agtagtatat cattgtgggt ttaatttgca 180
 tttcccga aa gtcttatgat gttgagcatc ttttcatgtg cttattggcc atttgagtat 240
 atttttttaga gaatgtatgt ttacgttctt tgctcatttt taattgtgtt tttggttatt 300
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<210> 32768
 <211> 177
 <212> DNA
 <213> Homo sapiens

001399-02400

<400> 32768
gactgggcga gtggaggctc cggcgggtgc aatggctcct cctgccacgg agcagcagca 60
gaagcagcgg cgacagggct gacgaggagg aggaggaaa gttcctttaa ggaggaggaa 120
aggacgacgc ctctttttcc ccctatctcc tcccttcaca ctcatctccc cttcgcc 177

<210> 32769
<211> 170
<212> DNA
<213> Homo sapiens

<400> 32769
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acaaggagtg ggggaccgaa gaaggaagag gcagaggaaa agctagagcg gcgctactgt 120
ttaacctgaa agtctgaccg gcagcccaag gtcgaaccc cgtccgcdec 170

<210> 32770
<211> 131
<212> DNA
<213> Homo sapiens

<400> 32770
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tgaagatact gtcctgtctc taagaaatag tcacctttat ttaaaatcag ttagctgtaa 120
gtagawggaw a 131

<210> 32771
<211> 223
<212> DNA
<213> Homo sapiens

<400> 32771
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ggggtcaaga gaacatttat tggtctcatt ggggtgtttt attttttaaa ctttttgaag 120
taattttaga ttacagaag agttgcaaag acagcgttcc tctatatcct tcatccagct 180
tccccaaatg tttaacgtag ttgtggtata tttatcaaaa cta 223

<210> 32772
<211> 129
<212> DNA
<213> Homo sapiens

<400> 32772
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agggacat 129

<210> 32773
<211> 266
<212> DNA
<213> Homo sapiens

<400> 32773
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ggcawaagca gggtagaarv ggctacgggg cgggcccaga atccgmgcct gcagagatgg 180
 gagcagttgc agtggtgagg gcggaagagg wktgcgwctt gttttgggaa cwgccttcaca 240
 ggatccaaaw aggaaatgcc cggcga 266

<210> 32774
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 32774
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 tgaagctctg aatctttctt ctctctcctc cctcccccat gctgcagtac atgctgtgga 180
 gatccatgac ttgcagagct ttggccttga caacatcaac atgaccact acatccagca 240
 cctgtcattt ggggaggact atccaggcat tgtgaacccc ctggaccaca ccaatgtcac 300
 tgcaccct 309

<210> 32775
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 32775
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 gtcactgagt gtggtgagag ttgtgaggaa acacagagt 99

<210> 32776
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 32776
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 attggcattt atagacagtt gagcctatag agtctttggt ggttctaacc ctatcatttt 180
 ataaactggg aaatcgaagc aagttttaga gtttccaatt tgtgcatgag ctagttggat 240
 attactggtc gagcatccct aatctgaaaa tgtgaaatct ctaatgcccc agtgagcatt 300
 tcctttgagc accatgtcag tgcacaaaaa gttttccatt ttggtgaccc ankgagtttg 360
 gatctagttt tgtaaagtat attcataaat accaggattt 400

<210> 32777
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 32777
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 accccaatct caaagggtga gagtatgctg tatgatgata tgcttgggca gtggagacaa 180
 agtctattta aaaaatagaa gaaaatgaat atatacaagt tttatttttt aactattctc 240
 agtaaagtac actggtgatg gtattattag tattgtwatt wwagagactgt tgtatatgta 300
 atgtgggata aagtcawtga gtrattatgg aatataaaaa wttcawcatt ttgtttgtcc 360
 ttgragaatc aggattctca atgtggaaga aaaghagrta grhgmtgaaa tgwaatagag 420
 staartg 427

004220-6667560

<210> 32778
<211> 300
<212> DNA
<213> Homo sapiens

<400> 32778
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tgataccctc attgaaacag tattttttaa ccatattctg ggatcttgaa ataaaatagt 120
ctcttatttg cttaagacta ccatattggg atctccatcg taaatatggc taaagcagtg 180
gttctcatatc tttagtttct atctgaatcg cctagagagt ttgtttaaag agattacggg 240
gccccgcccc aagagtaaag ctgggggtggg tccaaatatt tacatttcta acaaggcctt 300

<210> 32779
<211> 336
<212> DNA
<213> Homo sapiens

<400> 32779
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aggaagaagc caacaggagg aaccttattt tgagtcaggg tccaaagaca gaaacattgt 120
ctgacatktg tttttgggct tatatgaata aatctgtaca catatatttt tacgtgtttt 180
aatcgtaata tgtatactat ttggaaatgt ggcttttttag ttaacagagt gcatgtttta 240
ccccattgma cttaaacatt aacttgggga taattaaatg agtctgtcac ttggacaggc 300
argaattgta cccccacaa aaccataaaa ccgccc 336

<210> 32780
<211> 221
<212> DNA
<213> Homo sapiens

<400> 32780
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gtataaatatg gaaagggggg aaaagagtaa ctttacagtg gagaaatctg acagacacca 120
gctcagccag gtgattgwg ttaacatcat ccatgataag cccdtgngat agcatgtatc 180
cttgatagca tcacatcata cagnrtgtga tvmgaaatggc t 221

<210> 32781
<211> 139
<212> DNA
<213> Homo sapiens

<400> 32781
tcctgcctca gtctcccaaa gtgctggaat tacaggggtg agttgctgcg tctgggtgttg 60
gtgactttct agagattact ttttggttta catcattttc cttgtgacta tttttacttt 120
tttggggggc aggggggacg 139

<210> 32782
<211> 441
<212> DNA
<213> Homo sapiens

<400> 32782
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gacctgattg	cctgcctgct	tcagggctgc	tatcaacgaa	gagatatcac	gctcagacat	120
tccacagcta	cctagaggac	atcatcaact	accgctggga	gctcgaagaa	gggaagccca	180
accctctgag	ggaagccagt	ttccaggacc	tgctctctcg	cacacgggtg	gagatcctgc	240
accgactctg	tgattaccgg	ctggatgcag	acgatgtctt	cgatcttcta	aagggcctgg	300
atgcagacag	tctccgtgtg	gagccattgg	gtgaagacaa	ttctggggca	ctatattggt	360
atttctatgg	aacacgaatg	tacaaagagg	acccggtgca	aggaaaatcc	aatggagaac	420
tctctttgag	cagggaaagt	v				441

<210> 32783

<211> 95

<212> DNA

<213> Homo sapiens

<400> 32783

cttcrtaata	ttacttttgt	gatcagcwtc	cttgatacag	tctttataag	taaataacat	60
aatattttatc	kaatttcara	tacaatgatt	tccat			95

<210> 32784

<211> 314

<212> DNA

<213> Homo sapiens

<400> 32784

gtatctctaa	ttcataggtg	cattaagtaa	ccaccacgtc	attattatac	ttagtaagat	60
aaataataat	ttctttcttt	tttctctttt	ttgagacgga	gtcttgctct	gtgcctgggtg	120
aattgtctta	aagttatagt	tatacagtag	ctttgttaag	tcagtatcca	aacaaggacc	180
atttattgcc	aatggatgtt	tttctcttaa	gccttagaaa	gcccttgcat	agtccctttt	240
ttattttatt	ttattttatk	ttttttttga	gacggagtct	cgctctgtcg	cccaggcgag	300
agtgcagtng	cgct					314

<210> 32785

<211> 138

<212> DNA

<213> Homo sapiens

<400> 32785

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aggagctgcg	gcagccgccc	tccttgccacc	taaggaacct	ctgctgccar	cccttctctca	120
cttttgaaa	tggcaggt					138

<210> 32786

<211> 95

<212> DNA

<213> Homo sapiens

<400> 32786

agtagagaca	gggtttcacc	gtgttagcca	ggatggctctc	gatctcctga	tcttgtgatc	60
cgctgcctt	gatctcctga	agtgtctggga	ttaca			95

<210> 32787

<211> 282

<212> DNA

<213> Homo sapiens

<400> 32787

ccagtgtatc	ttggabraag	accctttgag	agctcagaaa	attaggagat	gtgggtcaaca	60
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ggaaaatggg	tgtgggtgtca	ggtttcagac	gcccccatag	ttgtcttcac	gtcctttaat	180
atgtgttggc	atccctcaag	ccctgccagt	ttatgctctt	tsstttgtga	agccttcctg	240
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<210> 32788

<211> 263

<212> DNA

<213> Homo sapiens

<400> 32788

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cagtgtagat	tccaactgtt	tttaattgcag	gctgacagtc	caggtttcag	ttaaccaagc	120
aaactgttag	aactgtatcc	agtttcttga	aagtaggtat	agtgartaaa	gadtcttttag	180
gtaagtgcac	tccttttaaat	gacttgtttgc	gtctaaagtk	ctttcttcat	tgttcagcac	240
cctcacagtc	cattcccacc	ctc				263

<210> 32789

<211> 271

<212> DNA

<213> Homo sapiens

<400> 32789

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gaatcaatgt	tttttattat	ttcaaacctg	ggtacaatat	tttcaattaa	tgctttaact	120
acattattag	cagttgcatt	tgaaaarggg	aatagcttct	acccagttag	tgagggtgatc	180
tactattact	aataggaatt	ttaggtgacc	tattgaggta	tttctgtgta	atcagtttgg	240
acactatgga	atgggtcttag	tcctggacgt	t			271

<210> 32790

<211> 344

<212> DNA

<213> Homo sapiens

<400> 32790

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tccccatata	tgtttcttat	ttacaatttc	tagagaagct	asgaaargrh	ttcagtagtc	120
ttgaaaaatt	ggccacccaa	cagtttctgt	gtcaaactgt	taatatgggc	akaagcagat	180
aaaatggaga	ttgaggaact	tcagtctcaa	cccaggggcaa	ttttccccaa	atgaagagca	240
tttaaggaga	agatagaaga	attgcccagg	acattttttt	tttctcccat	gggatggggg	300
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<210> 32791

<211> 495

<212> DNA

<213> Homo sapiens

<400> 32791

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tttaggtttt	tttctttttt	gaaaagtgtt	ttttacattg	atatggatga	atgccaatga	120
gtatggatca	cacatttttg	acagaaaaaa	tatgttgact	tgatccarat	ggaaaatgat	180
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aaaatgattt	cttgacatt	gataatcaga	gatgtaagtt	gatagctaca	gagttctttg	300
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ctggagagaa	agcatgaaat	gttcaacttg	tttaattctca	acaattcgga	aatatgctgt	420
atatgttgaa	aawaatgagg	tgggcggatc	atatgaggtc	aggarttcga	gaccagcctg	480
gctggcatgg	cgaaa					495

<210> 32792

<211> 231

<212> DNA

<213> Homo sapiens

<400> 32792

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aataacacca	cctcccttcc	acctctgaaa	gagatttcca	aaaagahcgc	akgtaacttt	120
cttatttttc	ccattttccat	tttggtaatg	cagatckrca	gtcccttggt	tctgactatc	180
aagttcactt	tcttttgacc	taactcatta	cagtccaaca	agaggcacac	a	231

<210> 32793

<211> 207

<212> DNA

<213> Homo sapiens

<400> 32793

atataagtgg	aaagtagaca	atatatgcat	ttccagtgtc	atctggcagc	ccatatcatt	60
ttagctcaag	cctgcatgta	ctgaagtatc	tatgtcaaag	caggaaggtg	gtgatctgtg	120
tctcagtttc	tgagttgaca	acaaaggcca	ttgnatttta	gactgtgact	ttatcacaaa	180
gagatactgt	atattggaga	ggaccga				207

<210> 32794

<211> 150

<212> DNA

<213> Homo sapiens

<400> 32794

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gtggcggagc	agcctccatc	cctgtgagat	cactgccttg	agccaatccc	tacagccctt	120
acggaagctg	ccttttagag	cctctygcac				150

<210> 32795

<211> 229

<212> DNA

<213> Homo sapiens

<400> 32795

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gtttcatact	gttgtcatct	gtcagaaatg	ctcattttat	tttgaattta	aatgtggctt	120
ttgaagtacc	tagttacctt	gaattcctgg	tgaccacatg	tttttatctg	gaaaacctgg	180
agaaagttat	ctgtcccac	tgccctgctt	gttttttttt	ttttttttt		229

<210> 32796

<211> 385

<212> DNA

<213> Homo sapiens

004220.022400

<400> 32796

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atgggcgcgg	gggtagcaaa	tcgaaagacc	cattcaaaat	gggcctgccg	gaaaggcagt	180
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tctcgagtgc	atggtaaccg	agcggacaga	ccccaaggct	gcaggacgca	ggccgcccc	300
actccacgag	gcggtcgggt	gaacccggag	ccccccgcgc	agggacctct	tcattttggg	360
ccctcgtcag	agaaatcggg	cgcgc				385

<210> 32797

<211> 339

<212> DNA

<213> Homo sapiens

<400> 32797

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tcagctgacc	cttgtaggaa	ggcaaattgg	atcttggttt	ttaataattt	taaataaatt	120
tctttattga	aagtatgtct	cttgattgga	aagttttctg	aaacaaagag	acttactaat	180
tttttttggt	gtwctatttg	attcttgcac	ctttgtccca	cattttctct	ctttgtttct	240
ctctgtggct	gttttatttt	tactttgata	tgcttttact	tctttcttat	gttgttttct	300
gtatctatac	aggcatattc	tttgtggtac	gcgggggga			339

<210> 32798

<211> 431

<212> DNA

<213> Homo sapiens

<400> 32798

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aattactgcc	aaatttggtt	ctgctctctg	tctccaattt	ccattactag	tggttcttga	120
cagaattaac	tgactgtctc	tgtgtgtgtg	tgtgtgtgta	cacaaatgct	gaaaacatga	180
gcctttgtgt	aggggtcaaa	cagaagasaa	gagccaatat	tcccagaaac	ggagtgtwca	240
gatttcctta	aaaaatgtgc	agagattgtg	tttctggagt	cgagggctca	agttaaaagc	300
aaacaaaata	ccacaaaata	tataacaatt	tgtttttttg	gaggattcgc	gattctgaat	360
ttggatccag	ttctcttaaa	tacacattga	acctcatagg	amcatggctc	ttcaagtaga	420
aatgtattaa	t					431

<210> 32799

<211> 165

<212> DNA

<213> Homo sapiens

<400> 32799

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agctactcgg	gaggctgagg	caggagaatc	acttgaaccc	gggaggtgga	gggttgacgt	120
gagccgmgat	cgrgccactg	amdcyagcct	ggcgacagag	tgaga		165

<210> 32800

<211> 81

<212> DNA

<213> Homo sapiens

<400> 32800

cacagctcag	tattakttct	aratacaaag	aaggctaaga	agtgttcctc	ggggggagct	60
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atagtagaaa taattacaca t

81

<210> 32801

<211> 236

<212> DNA

<213> Homo sapiens

<400> 32801

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tgtaacacac	tagctgtcag	ttccttgaac	TTTTtCctct	ctaaggatcc	caccttattg	120
ctacaactcc	ttcatattca	caattgtgtg	cataktactc	tttgactaat	accttctatc	180
tttctagctc	atTTcttatt	tcagcaatcc	ttcaaccctt	ctgagaccta	ggaccc	236

<210> 32802

<211> 358

<212> DNA

<213> Homo sapiens

<400> 32802

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tsrcataatt	cgtgaaggta	aagatatwct	gtgtgcgctt	ggcctccttt	tcacgcatat	180
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taataggtca	gtaactatga	gcgccgtctc	tctccatgtg	agcttgtgtt	aatagacact	300
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<210> 32803

<211> 270

<212> DNA

<213> Homo sapiens

<400> 32803

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aagcaattgg	taactgatct	ctagagggag	ctgagagaga	ctgcattggg	tggtttctgg	180
agcccctcca	agtgtgaacc	ataggaaggt	ttctcgtata	tgcgaaacat	gaatacaaca	240
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<210> 32804

<211> 169

<212> DNA

<213> Homo sapiens

<400> 32804

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<210> 32805

<211> 365

<212> DNA

<213> Homo sapiens

<400> 32805

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cacttagstc	tcagaagact	taggctgagg	cctcagaagg	agatctccat	cctttgtcca	180
gagcagaaba	ggatggccat	gtcccagggt	agtttcta	ttaccatac	tttgtttcca	240
gtgaaattga	ggcaagggtt	ggaatctata	tagcagactt	gamaatacrr	attatcccct	300
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gtctc						365

<210> 32806
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 32806						
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atcttccttt	agctcaggac	atctttctcn	tgtgatctct	ctgatgattt	cttctcctgc	300
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aagcat						366

<210> 32807
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 32807						
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ggtgaatatt	cccatggctc	acaaacacct	gtaagtkaga	tctgcacgga	cggtgagcac	180
aggactgtgg	ttacccccctt	agccaagcaa	acaacttttt	tttttcaggw	gctaattttt	240
gttcaggtkg	catttkccca	gcgcagayta	cagakggcat	cacctttctg	acagcaccag	300
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<210> 32808
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 32808						
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ttagatggtg	ckwctcaga	ttaagggtag	atccgccttt	cccagcccac	tgacttaa	180
gttaatctcc	tttggcagca	ccctcacaga	cacaccctgg	atcaatactt	tgatccttc	240
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<210> 32809
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 32809						
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gggctatttk aaagtaaaca ctttgtagc

89

<210> 32810

<211> 425

<212> DNA

<213> Homo sapiens

<400> 32810

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gsgcccttca	gctagggaga	aagagaggac	gggggctggc	gggcgggatt	agctgccgga	180
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tgaggaggtg	gttggagcgg	rgaaatgcac	cagaggggcg	gggccttcca	gttattaaat	300
tacgtcatgc	aaatgaggtg	gctagacaga	ccaatccaaa	ggccccggga	agcgtttcgt	360
ccgcaccacg	cagcgtaggc	attcttcggg	cagttctacc	tatttgcata	atgtatgcaa	420
atcat						425

<210> 32811

<211> 366

<212> DNA

<213> Homo sapiens

<400> 32811

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tggtgtgaaat	ctcattttata	aaacttccta	agagactatc	tgaactctat	actccagaca	180
gttaggtggg	agtataaatc	tacccttttt	gatgacccca	ggcttgagtt	tttaaaatga	240
ctaccagaaa	gggcacaagg	gggaaggaaa	tggtatttgt	atatgtatat	aaatatgcac	300
ctaggagaat	gtgcttttta	aaataatgac	tactgttttt	attaaaacat	aagaaactac	360
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<210> 32812

<211> 121

<212> DNA

<213> Homo sapiens

<400> 32812

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aaggggaaga	aaatccgagt	gcggcacggg	gttttctcca	ctctctggca	gccccgtcc	120
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<210> 32813

<211> 323

<212> DNA

<213> Homo sapiens

<400> 32813

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accarkttct	tsckaattctg	ctggkhthta	ractcgtgat	ctgaactgtc	tgagagcatg	180
ccttggtggac	ttcaagcccc	agcatgagat	ccagtataaa	cagccttgca	gagactactt	240
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cctggttgaa	atttgaatac	agt				323

<210> 32814
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 32814
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 gaaggcattg ttactgtaga tgacgatccc aggcctgtta ttggcactga agacattcca 180
 gtgggacaag atgtgcaggc gtttgctttc taagtctgtg aagtcttctt cagggtggagt 240
 tcctagcgca agggatcctg aatatggaat acgttctgag gcttcagctc cacaagcact 300
 cctgatccac cgttagtata tttccagtgg tcaatggga 339

<210> 32815
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 32815
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 ccctcctcgg cctcccaaaa tgctggaatt ataggcatga gccacatgc ctggcctata 180
 tcattttact taacagctgt atttagtctt ccatgatgtg acacccact 230

<210> 32816
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 32816
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 ggtttaaaaa tttaatgcct tgcatgcgat gtgcagtggg tgatggaaga acgtcctaca 180
 tggcttknaa attggattta aaaggcdaat atttga 216

<210> 32817
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 32817
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 caaaactgct caatcaaaaag aaagggttaa ctctgtgaga tgaaaacaca catcacaag 120
 aggtttctca cattggttct gtctagattt tatgtgaaga tatttccttt tataacatag 180
 gtcgcaaagt gtcctaatg cccacttgca gattctacaa aaagagtgtc tgtaaactgc 240
 tcaatcaaaa ggaagttbn actctgtgag aagaatgcac acatcacaaa gaagtttctc 300
 agaattctc tgtctagttt tnatgtgaag atatttcctt ttccaccata ggctcaaaag 360
 cgctccaaga atccacttgc agattctaca aaaagagtgt gtcaaacctg ttctatcaa 419

<210> 32818
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 32818
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aggaccgcgg tttgaacctt ctgatgtaga tgagctctga cattggaaag attctggagt 120
ctgacaagtc acagcaggtt gagggtaggg agaaactgca ggtgaggggt gcatgctgaa 180
gtcctgattt ctccaggtcc ccaggatcgg ctgagagccc tgggtggtgat ccccatcatc 240
ttcgggatcc tgtttgccat cctcttggtg ctggctctta tcaaaaaggt gnnnaagaag 300
ccaaccaata agggccccc cccaagcag gaaccccagg agatcaattt tcccgcagat 360
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<210> 32819
<211> 292
<212> DNA
<213> Homo sapiens

<400> 32819
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tgacactgag tacaatgttg tacaacattt tttgcctggt ttcatatgat atcaaattta 180
ttttttatgc ctgatgcatt tacatgagtc aaggcacgaa gtttttatgc ttttatgaat 240
gcagatgata ctagcaagtc agcttggtca tttgccttag ttaaaggccc tt 292

<210> 32820
<211> 385
<212> DNA
<213> Homo sapiens

<400> 32820
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cagcttacaa gcctggagct gccatcact aaaataccaa gcagcagtat gccacagcag 180
gatcgggtgc cctggggaag gtattcccat tatgttggtg gtgtttgaaa atgctataat 240
gaccaaacia aatggctcga ctgactcaga cttatgtcca taggtttgca gtctacgttg 300
ttcaccagca gagtacaaga ta'cctttggt tttgctggag gcataaaaaat tctttgttcc 360
tgtcctcagg cgaaaatggg cacac 385

<210> 32821
<211> 421
<212> DNA
<213> Homo sapiens

<400> 32821
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caatatctgg tcgtgtgacc aagaacctca gtattcacc cagacaacia ggctggcttt 120
cattttgagg gctcgtctgg gatttgaagg tgacttcatc agaatggact gttgtcctct 180
aaggaaagtc tctggctgac aaacaattgc ctccctcaaat accaagcttt gctgctaaag 240
ggatctgcag tccagctgaa aacctgccct tgcttgagcc cagccacttt ctcccagaga 300
aaactggagn ncctaaacat gattgtgaac aggcgcagta agattgaagg agctaaaaac 360
agacttgggt ggatgtctgc agctgcaaag aagaatgtgt gggaacagac acagaaactc 420
t 421

<210> 32822
<211> 327
<212> DNA
<213> Homo sapiens

<400> 32822

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ttgggtatca	ttgcagttcg	gttgctccct	tctaagtttc	tgaggttcat	ggggarwaaa	120
ataacatgta	actgttatat	gtyaatatct	cgtcacatcc	caagtaaaat	ataaaaagcc	180
aattactttt	gagttattat	cacagcctct	gaatttagaa	gatggttaat	ttgtttttar	240
tggttccaca	gctttgttct	aagatatgtg	ttttcagtg	tcgtgagcat	cttcgtgagt	300
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<210> 32823

<211> 208

<212> DNA

<213> Homo sapiens

<400> 32823

catacaataa	aaataagcag	atacacaata	cctacagaaa	caatagacat	tacaaacaga	60
cacaaggact	ccagatattg	gtattatcag	acatagcctt	taaaataatt	atacttacta	120
tattcagggg	gataaacaac	aagggttgaga	atattggcag	ataacttgat	tttttgttta	180
aagcagatta	gacataacaa	aagacagc				208

<210> 32824

<211> 338

<212> DNA

<213> Homo sapiens

<400> 32824

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ataaaatgaa	aagcacattg	catcttttct	tcctaaaaaa	atgcaaagat	ttacattgct	120
gccaaatcat	ttcaactgaa	aagaacagta	ttgctttgta	atagagtctg	taataggatt	180
tcccatagga	agagatctgc	cagacgcgaa	ctcaggtgcc	ttaaaaagta	ttccaagttt	240
actccattac	atgtcggttg	tctggttgcc	attggtgaac	taaagccttt	ttttgatkr	300
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<210> 32825

<211> 308

<212> DNA

<213> Homo sapiens

<400> 32825

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ccggcatgg	gaaaccccat	ctctacaaaa	agtacaaaa	ttagctggat	gtgggtgtac	120
accctgtgg	tcctagctac	ttgggaagct	gaggcaggag	aattgcttga	accagaagg	180
cagaggtagc	agtgaagcaa	gatcgtgcca	ttgactccca	gactgggcga	cagagcaaga	240
ctccatctca	aaacaaaaac	aaaaacaaaa	acacaacaaa	gattcctgct	aactacattt	300
ctcatgac						308

<210> 32826

<211> 400

<212> DNA

<213> Homo sapiens

<400> 32826

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ctagagcaga	gttgagtttc	agtgggagaa	gacaatgtga	gatctggcag	cccwtattgc	120

acccttcctg	gggactttct	tgcctttcta	attgaaaaga	aggatgcttc	aaagctaata	180
gctctagttc	cacacccaac	tcctctatcg	tcagctgtgt	gaaatagggc	aagg tactta	240
aaaacagcct	caacttttca	tgtgtgaagt	ggatattata	atggcagatt	tgtagatgtg	300
tttagaagat	caaatgagat	gacatattta	gagtacctgc	tggtatcccc	caaattttcc	360
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<210> 32827

<211> 149

<212> DNA

<213> Homo sapiens

<400> 32827

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aagcgcgggc	caagtgcgaa	cgagatgagg	ctgggaaccc	ggccaaggaa	agcagcgacg	120
ctgacggaga	ggcggaggaa	gaaggggcc				149

<210> 32828

<211> 233

<212> DNA

<213> Homo sapiens

<400> 32828

ataacat ttt	ctcataattc	aagtaaatac	catctagaag	agagaagagg	atgggaagat	60
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ctttcaaaca	gtagaactca	caaaaacatt	gactctaagg	aagttgatgc	catgcatcag	180
tgggaaaata	caccttttaa	agcagaaaaga	catagaactg	aagataagag	ggg	233

<210> 32829

<211> 204

<212> DNA

<213> Homo sapiens

<400> 32829

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ggcctcccaa	agtgtctggg	atacaggcat	gaacccctgt	gcccggccta	aatttttttg	120
tatttttagt	agagatgggg	tttcaccatg	ttggccagga	tggtsttgat	ctcttgacct	180
cgtgatctgc	ccgcctcgte	tccc				204

<210> 32830

<211> 230

<212> DNA

<213> Homo sapiens

<400> 32830

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cagaaccaac	cagatatgga	ggattgacta	tatatgtaaa	agattgaagg	wtwaaccttg	120
aattgtggag	ggacagagg	ttgtctgtta	ccaacaggaa	agaggataat	aggtaaggat	180
gctgatgact	ttatagagg	ttggtgggaa	acagttcttt	cgtggtgcca		230

<210> 32831

<211> 278

<212> DNA

<213> Homo sapiens

<212> DNA

<213> Homo sapiens

<400> 32836

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gttaattagt	gaaatagtgc	ccgattttga	ggtgggttgg	aagawraagg	tttgatctag	120
ggtaaagcgt	tgatagaagc	gtagggagag	ctgtgcttac	tcacattttt	ccctaggctt	180
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<210> 32837

<211> 217

<212> DNA

<213> Homo sapiens

<400> 32837

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agttaagcta	tgggtgcattc	caaataccatt	cacacttagg	agaatgtacc	caagagtgtg	120
gggatgtttt	caattactgc	atttntttca	nbgaacaaga	acsacaggta	agtnwgtgtg	180
tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtg			217

<210> 32838

<211> 318

<212> DNA

<213> Homo sapiens

<400> 32838

ttcaaagaga	tggataaatt	cctggacaaa	tacaccctcc	cacaactgag	ccaggaagaa	60
anbgatttgc	tgaacagacc	aataacaagc	tccgaaattg	aatcagtaat	aaataaccta	120
ccaatcaaaa	aaagcccaga	acatgatgga	ttcccagcca	tattctacta	gaagtacaaa	180
gaagagctgg	taccattttt	acaggaacta	tttgaaaata	ttgaggagga	ggaactcctc	240
cccaactcat	tctatgaggc	caacatcatc	ttgataccaa	aatctggcac	acacacacac	300
acacacacac	acacaccg					318

<210> 32839

<211> 168

<212> DNA

<213> Homo sapiens

<400> 32839

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acagatgctg	tcacgagaag	acaaaactat	aatggccaga	gagtgggagg	aggacgagta	120
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<210> 32840

<211> 429

<212> DNA

<213> Homo sapiens

<400> 32840

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ttttggtttg	gcttctttta	gtcaggcttt	ctgaacattg	agatatcctg	aacttagagc	120
tcttcaatcc	taagattttc	atgaaaagcc	tctcacttga	acccaaacca	gagtactctt	180
actgcctctt	ttctaaatgt	tcaggaaaag	cattgcsagt	tcagtctttt	caaaatgagg	240
gagaaacatt	tgcctgcctt	gtaataacaa	gactcagtgc	ttatttttta	aactgcattt	300

taaaaattgg atagtataat aacaataagg agtaagccac nttttatagg caccctgtag 360
 ttttatagtt cttaatctaa acattttata tttccttctt ttggaaaaaa cctacatgct 420
 acaagccac 429

<210> 32841
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 32841
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 ggagtgggtgg catacatctg tagccccagc tcctcaggag gctgagctgg gagggttgct 180
 tgagccccgg aggtakaggc tgtagtgaac catgggtgtg ccactgcact ccagcctggg 240
 tgacagagca gagcaagacc tgtttcaaaa aaaaaaaaaa aa 282

<210> 32842
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 32842
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 aatttgtttt atcagttaat aatattaatc aaagacattt actgtatatt ctatgcattt 120
 tgatttgagt taaccccaaa tataaaatta cctgtagtga tgtctctctc ccagccct 179

<210> 32843
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 32843
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 ggcaaaaaaa aaaaaa 76

<210> 32844
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 32844
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 aagaactgct tttcttcgct tatgatgtt ttggaattcc ctttgtggat ccggattcat 120
 ggactccaga agaagtgatt cccaagagat tgcaagagaa ac 162

<210> 32845
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 32845
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 tgaacaagga accatgtttc gtyctycttg tawakgtatg caggaatttc tctaggatat 180

aaacaactta cctaaaaaat attaaagtaa gaaagtttca atattgkgta ctcycattct 240
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<210> 32846
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 32846
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 ttagtgtaa agggaaggaa tccagaaacc accagtaggg tagaaagtgg ggagggggag 180
 tggaatagaa atgaatgatg aggacatatg tgggtccctc atcttgaggt gcaacaaaga 240
 gcaaattggt agctctaacg ttaaattctga gtggctctca datgttttct taacagatgg 300
 catctgagcg agaaggctct ggaagttctg gcaactgggn ac 342

<210> 32847
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 32847
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 gtatggatta gtgccataag aagcaaatac cagaatgtgc ttaagcttgt aaaaagggtg 120
 aaggacagca ataaggcttt taagattagt atgagaacaa aaataggaga ggtaagcctg 180
 aagattagaa cggacga 197

<210> 32848
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 32848
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 gtctatactt acttcagctg ca 142

<210> 32849
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 32849
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 atgtctgttg gattcttttt ggatttcttt aattaatttg taagtaacca agataattat 180
 tttccccctt gctctctatg ttaatacgtg gctataaagc aacagttggg tttcttatcc 240
 tttgataaaa gcatcccata aaatataaag tat 273

<210> 32850
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 32850

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acacactttt	tatgtagaaa	tgtttccctt	tctcttggca	tatgcgtagg	ggaggaattt	120
ctgggacatt	cattatttat	gttttaacct	tttggaggaa	ctgccagact	gttttacagt	180
ggctgtccca	ttttacattg	ctggacatat	gagggttcca	gtttctccac	atctttgccg	240
acaattgttg	tttgtctttt	agatgatagc	aaa			273

<210> 32851

<211> 275

<212> DNA

<213> Homo sapiens

<400> 32851

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ccacctgttg	aaggacatat	gagctgattt	cagtttgggg	atattacaaa	taaaggtgct	120
atgaatatgc	attttacagt	ttttttgtgt	gaacataaat	tattattctt	ctggaataaa	180
tgtccaagag	tgcaagtgca	agattgtatg	gcaatttcat	gtttagtttt	ataacacact	240
gccaaactag	ctgtaccatt	ttgtatccct	tcaat			275

<210> 32852

<211> 276

<212> DNA

<213> Homo sapiens

<400> 32852

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tattgtacca	atgttaattt	catacttttc	ataattatac	tgtggttata	taagatgtta	180
atattaaggg	aaactggagg	aagaatatat	gggaactcct	tattttcaca	gcttttctat	240
aagtctagaa	ctgtttttaga	ataaaaaatta	aacacw			276

<210> 32853

<211> 250

<212> DNA

<213> Homo sapiens

<400> 32853

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ggtgagactc	tgtctctaca	aaaaatttaa	aagctggatg	tggtggcaca	tgctgtagt	180
cccagttact	cgggagggag	tggcaggagg	atcacttgag	cccaggcggt	ccaccactac	240
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<210> 32854

<211> 109

<212> DNA

<213> Homo sapiens

<400> 32854

taatgttaaa	agctgctttt	tttggctttt	tgcatatcta	gtataatagg	aagtgtgagc	60
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<210> 32855

<211> 75

<212> DNA

<213> Homo sapiens

<400> 32855

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aattagctag ttcta 75

<210> 32856

<211> 275

<212> DNA

<213> Homo sapiens

<400> 32856

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gctraggctg agcacagaga gacagcacca cgctcatggg cccagggatt gcgagagcac 180
tgtgtagtga ccaaaggacg ttcttgagcg tgttttgaa tttggcacta ttggctggaa 240
aatgctgatg gttttaacct ctcagtcttc ttggt 275

<210> 32857

<211> 190

<212> DNA

<213> Homo sapiens

<400> 32857

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agccattgmt aggaattcta tcactatagg ttagttttct ttgttccaga acatcatgaa 180
agcagcgtct 190

<210> 32858

<211> 73

<212> DNA

<213> Homo sapiens

<400> 32858

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atcttttttt ttt 73

<210> 32859

<211> 125

<212> DNA

<213> Homo sapiens

<400> 32859

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gvcmh 125

<210> 32860

<211> 356

<212> DNA

<213> Homo sapiens

<400> 32860
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 aaaatactat atagtccagt ggggaactact ggggagggga ggtgggggca aaggggttra 120
 waaactatct attgggtgct atgttacta tctgggtggt gggaacattc ctaccccaaa 180
 cctcagcatc acacaatata accacgcaac aaacctgcac attttaccct ttgaatctaa 240
 aataaatggt gaaattatca aataagaaga aataccatat aatctggaaa tcccacttct 300
 gagtatatat atttaaaaaa ctgaaatcaa aattttgaag agctgtctgc actgct 356

<210> 32861
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 32861
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 aacaaaaata agtaaccaac agcattttca acatcaaact acttctctct tacmaaacc 120
 aaatgaacaa ctgtcaatag atgaggaatc ctcaagtttg gatgacacaa tcctgcctca 180
 ctgctgtatt cagagtccat gttgtaggat gaggagtga gaaaaccctg atgctgcat 240
 ttactgagta cctatctcat ggcaagtatt tgaggctcct tacacagaga tttcatctaa 300
 tcctcaaagt aaactatgat atggtgtgat cagctcacac agttgaagat gctgaaggct 360
 aaaaatgtta gacaacagac tc 382

<210> 32862
 <211> 265
 <212> DNA
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<400> 32862
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 taacatatat tttttgctag actataagat taatagggat acagaaagtg tgataagtct 120
 agcaaacctt aaaaaataaa gatagaatat tttgggtaat tgtcacatta ttgctgctat 180
 gcatttgcta tatttctttt ccataaatga tgtcaggaca ctgattattc attttgcaaa 240
 aatgatatat agagaagccg acynn 265

<210> 32863
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 32863
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 aaatatttaa atctactgtt ttcctttgtt gtttattaga tgagatcaca gcctagkttt 120
 tcgtcgcttt ggccctctga ttgtggattg gcctcataaa gctgagagca aatcctattt 180
 tcctcctaaa ggtaattctc aagattcatt rtacttatgt aatttattct tacattgttt 240
 aatgtgtagc cttttcataa atgttcacct tcct 275

<210> 32864
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 32864
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 aaaagcggca sccaatcgga gcgcga 86

<210> 32865
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 32865
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 ggtcattatg ttaagtgcaa taaggcaggc atagaaagac aaatgtggca tgttctcact 180
 tatatgggag ctaaaaaagt ggccaggcgt ggtggctcac acctataatc ccagcacttt 240
 gggaggccga ggcgcgcgga tcacctgagg tcaggagtgc gagaccggcc tgaccaacat 300
 ggagaaaccc catct 315

<210> 32866
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 32866
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 ctgtcttaat accgaagatg ccatcctttt ttccagggcc ctcttcttac atgggaagga 120
 tagtggatcc tacttttaaa tgcgattata gtggggcct 159

<210> 32867
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 32867
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 aggcaggaag atggtggccg cwaagaagac gaaaaggctg ctggagtcga tc 112

<210> 32868
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 32868
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 tcaaatacgt cagcaatggg attcaggctt tgcttacaat gtgaaggaag ttcttagtct 120
 catttgaca aagaaggaag gagggctaaa gataaaaaga actcatagtc ttttccatag 180
 ttttgggtca tgttcactgt aaaaaaaaaat cacaagatgc catttttaca cagccttttt 240
 aatctacaca tacggcgaa 259

<210> 32869
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 32869
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 ttcgttcgtt ggaagaaaaa aaaatcgcta tcgaaccma aacmawtwa adggwacttg 120
 ctrasnaatc tggactaatt tgaagattg cttttagaag ttakcaggat taaagttgca 180

tacagtgc 188

<210> 32870
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 32870
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 gggatggctc agagctttcc cttgactggc watastggga agaggwcagc wrccccctgt 120
 gattdgtttt ctattcaagg aarcttttgg wcccagtctc ccatgttcca ggtggtaggw 180
 gtcsnycagc ccgwcatt 198

<210> 32871
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 32871
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 ccctccctac aaaactgcac aacggttggtt ctttctttgt tccttttttc agtgaatgac 120
 acaattatct tttcattgta aaatccagaa aactagaagt gatccttaat tccctctccc 180
 tgatagatcc aatgattgaa caagttttta aagtcttact ttctacatga ctcttgaatt 240
 tttctatttc ttctgtttc cactactgcc acttcatctt gcctgaaact tttacaatag 300
 cctccattct tatctgtcct ctctaattca ttacccatct a 341

<210> 32872
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 32872
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 ctctccattg cagttttagt caatgttatt tctgtgtatg tcatgagrag gctaaatatt 120
 agtggttaatt tcttgtttga atccgtgaaa tcatgcctgt aaagcccgtc 170

<210> 32873
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 <212> DNA
 <213> Homo sapiens

<400> 32873
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<210> 32874
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 32874
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 ttagcagcca ggccaggagt ggtggctcac gcctgtaatc ccagcacttt gggaggctga 180

ggtgggcgga tcacctgagg tcgggagctc gagaccagcc tgaccaatat ggagaaaccc 240
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 acaggaggga aactctgtct ca 382

<210> 32875
 <211> 266
 <212> DNA
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<400> 32875
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 tcaaamntgg ccctctcagt taacattcct tagcagtgc agtcaaagag acacttdaaa 180
 gtgtctctga wttttaatac atcactctgc argtcagtgt ckatctggaa atttctacgt 240
 gagaggtgat ggaaccagag ttact 266

<210> 32876
 <211> 261
 <212> DNA
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<400> 32876
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 tagtttgtaa tttctaggag cattatcaac atatcatcta tagaatccac gataacagca 120
 atttctaaat aattttaacc tttttcattt ttcttctgca tccagaaaga gctctgcaa 180
 tttgttttgc tcaacgaggt gatgaaattt cccgtattgt caattcagct cttcaccacc 240
 tttaatgttt taatcccata a 261

<210> 32877
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 32877
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 gatcaagatg ctgtatcata attcaagtta ttttttctg gagttaagg gaagcattca 180
 gtgatacacc tctctctctc tctctctctc tctcccca 219

<210> 32878
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 <212> DNA
 <213> Homo sapiens

<400> 32878
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 ggaggccaag gcgggcggat caagaggtca ggagatcgag accatcctgg cgaacacggt 120
 gaaaccccgct ctctactaaa cacacaaaga attagccagg cgtggtggcg ggcgctgta 180
 gtcccagcta ctcgggaggc tgaggcggga gaattgcttg aacctgggag gcagagggtg 240
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 caaaaat 307

<210> 32879

<211> 354
 <212> DNA
 <213> Homo sapiens

<400> 32879
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 ggcagtgcaa atggaagatg ctggccagct gccctgttca gtaagaggaa atgagcttaa 180
 agtgatgcaa tgaggcattc agamgaaatt ttaggaagtt tcctgacaat gaagattggt 240
 aacaattcca tgtctcatag tcttttaaga aagagcatgt gtcctgaaaa amtctcccta 300
 aatcaagac gataaatagg ttggctgact tcctttcaag attagtgatt cacc 354

<210> 32880
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 32880
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 cctccacc 128

<210> 32881
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 <212> DNA
 <213> Homo sapiens

<400> 32881
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 tttattattg agagttgtca aaaaataagc agaaagagtt gcacaaagtc tcttgtctaa 300
 cagcattatc aatcattaat ccnnttctg 329

<210> 32882
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 32882
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 gatttgcttg agtggttttag tctgagcagt attggaactt gattgrkttc ccattttaag 180
 atccttttaa aaagtgtgga ttcaattcca gtgaagcata actcaaattg tgtgtattga 240
 agacttttgt aattacattt ttgcccata t 271

<210> 32883
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 32883
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ccaaagaaag tggaagagat gtgcttctcc aggtctcagt gcatactctc tatcttccat 120
attgtgagga a 131

<210> 32884
<211> 151
<212> DNA
<213> Homo sapiens

<400> 32884
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tcaattycaa ttggataaca ttttgtcaag t 151

<210> 32885
<211> 303
<212> DNA
<213> Homo sapiens

<400> 32885
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aacattccag tgaaatgtag atattgcttt acttctactt tataaatgag gagggaaaaa 180
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tca 303

<210> 32886
<211> 291
<212> DNA
<213> Homo sapiens

<400> 32886
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cctaaatcav attaaggatg ccatgggttg ccaccttctt tgacatttac gaagatggaa 180
atcttggaaca ttgtagtgct aagtaaaggm tatacaaaaga atgatttttg cattcatata 240
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<210> 32887
<211> 286
<212> DNA
<213> Homo sapiens

<400> 32887
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ttacaaaact cacaccagg acttaaaagat gtgctctgct ttttttnmaa ctacggagtg 180
tactgtcttt ctagctcagt ccctgcagac tcttctcaac tctttcccta taggaaactt 240
actccgcgtc ctgccccac ctccataata aataaaggaa tcagcg 286

<210> 32888
<211> 149
<212> DNA
<213> Homo sapiens

<400> 32888

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gggagctgga tgaggttgat atgtcagatc tctctccaga agagcaatgg agggtcgagc	120
acgcacgcat gctgccaag caccgggcc	149

<210> 32889

<211> 144

<212> DNA

<213> Homo sapiens

<400> 32889

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tcattataac aacacaatat caatccagca atcttttagac tacaataata cttttatcca	120
tgtgctcaag aaaggggcc cagc	144

<210> 32890

<211> 190

<212> DNA

<213> Homo sapiens

<400> 32890

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taaatttcct gggtagcagt tttaatcata tgaacttgct gaagttaacg aagcagctgt	180
ccagaagaat	190

<210> 32891

<211> 138

<212> DNA

<213> Homo sapiens

<400> 32891

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<210> 32892

<211> 266

<212> DNA

<213> Homo sapiens

<400> 32892

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gtcacatctc ctggggaagc ccttacagag gccttgcca ccacttctgc aggtcccgtc	120
tctccactgt gccatcccc cgggggtga ctgcctcccg ctcttcctct ggggacgaac	180
acacagcgt cagtcgagga gaggaagcac ccagggttc cccgcctcct ccctactcat	240
agctgcagac atccccgcc gcacct	266

<210> 32893

<211> 378

<212> DNA

<213> Homo sapiens

<400> 32893

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agcttaattt	tggtggatac	aaaattcctg	gctgataatt	gctttgttta	aggaagctaa	180
agataggacc	ccaatccctt	ttagcttgta	gggtttcggc	tgagaaatct	gctattaatc	240
tgataggtta	tcttttatag	gttacctgat	gcttttgccg	catagctctt	aagagtcttt	300
cctttttctt	gacttttagat	aacctgatga	ctatgtgcct	aggcaatgat	ctttttgtga	360
tgaatttccc	agrbrgtg					378

<210> 32894

<211> 318

<212> DNA

<213> Homo sapiens

<400> 32894

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cagcctgggc	aacatggtga	aaccctgtct	ctacccaaat	aaaaaataaa	aaaattagcc	180
ggctgtagtg	gtggtgaacg	cctgtggccc	cagctaytca	ggaggctcag	gcaggaggat	240
ggcttgagcc	tggaabgcag	aggctgcagt	gacctgagat	cataccacta	cactccagcc	300
tgcaggacag	agcgggac					318

<210> 32895

<211> 289

<212> DNA

<213> Homo sapiens

<400> 32895

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tttactttta	gttctgggat	acatgtgtag	aacgtgcagg	tttgttacat	aggtatacat	180
gtgccatggt	ggtttgctgc	acccatcaac	ccgtcatcta	ggttttaagc	cccacatgca	240
ttaggtattt	gtcctaattgc	tgtccctgcc	ctttctcccc	acccctccc		289

<210> 32896

<211> 353

<212> DNA

<213> Homo sapiens

<400> 32896

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cttacagaag	aaaacatttt	cttacaagtt	ggggatccat	ctaagggaat	cacatatgtg	180
atgtgctggc	atgcatagac	tggaaagatc	gcagcctgta	gagggcttaa	attacttatt	240
ttttccattc	taactcggtg	gttttactac	gatcatcagt	tgggtctctc	tgacttacia	300
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<210> 32897

<211> 147

<212> DNA

<213> Homo sapiens

<400> 32897

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------------	------------	------------	------------	------------	------------	----

agtgggtacat ttgttataaat tgatggacct acattcagac atctttacca cccaaagtcc 120
atgggtttaca ttaggggtttt ttttttt 147

<210> 32898
<211> 318
<212> DNA
<213> Homo sapiens

<400> 32898
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cccctaaaca gtatcttaat ctgttacatg taattgaaat ahtatttgaa gcagtgaagt 120
attgtaacct cagattagtt acattgatca aaacattgat ttatacacac acacacacac 180
atacatatgt agctttttata tttagtctgg ttacattagt gaccatggtr kttactttct 240
tcttaaggag cctttgaatt tcttgtccag ataaaaaatc cgaatatttc tcttagactc 300
atacataaag ggacaagc 318

<210> 32899
<211> 403
<212> DNA
<213> Homo sapiens

<400> 32899
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tatgtggttc taaattggaa aatgaaaata ttataaaaatt attaatattt gttagaataa 120
tatttgtatt catttaggca aggarrttaa cctttctgaa cttgagttac tttttctgaa 180
ggcctggttt ttcactatgt tgtgatgaaa agcagatgag gtagtctgtt aacatagtta 240
attctgtctt gggactggga tatagttgag aggcctatta ttttgggaca ctgggagata 300
taagtactat ataagtacaa agaagggcac aggaaaaaag gtgcagttgt tttgataggc 360
caggttcagc ayyaagacca tcagacatta aggagaaaca gga 403

<210> 32900
<211> 153
<212> DNA
<213> Homo sapiens

<400> 32900
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cttgtctttg tgtgtgtctg tatatgtaya atatgcaatt tttakytttt gtgtttgtkt 120
gcgwwttgct aaagtgtatg agtgtgcctt tgt 153

<210> 32901
<211> 53
<212> DNA
<213> Homo sapiens

<400> 32901
accakgacga gccaggctcc agggaygkya ggcgtttcac ckctccagc etc 53

<210> 32902
<211> 76
<212> DNA
<213> Homo sapiens

<400> 32902

ggmaagcaga attatgatga cttttttcgk attgtcaaatt aaataatacc acctacattg 60
atgatgaaac aaatat 76

<210> 32903
<211> 369
<212> DNA
<213> Homo sapiens

<400> 32903
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tattcagatt attttchngt ttttaataaag gatttttctt acttccattg aaaatgggaa 180
gtagaagata aacaggggca accacaagac attcaaactg tcaggactag ggcgtasagt 240
gcccaccctc taaccacttg cctggttccg ttagtcccca agcatgtttg aaaacaaaag 300
acacaaaacta agcatgctga ataaaactag ctgctatggc tgtaataawc agvaagggtgc 360
agagtttca 369

<210> 32904
<211> 181
<212> DNA
<213> Homo sapiens

<400> 32904
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tcttccagcc gacagaaatg gcttctcagg atttctttca acgttggaag tagttgagca 120
atccacagca ggaagtgcag aacatcttca aagcaaagca cccaatggac acacaagtca 180
c 181

<210> 32905
<211> 414
<212> DNA
<213> Homo sapiens

<400> 32905
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aggttccttg aatcctccat taatgtgat tttgcttga tggttgcaa cctacctaca 120
aatgttgaga aggtttttaa tattagtatc atttaagcta ttccgttga aaagacacac 180
acatattccg tcttcttgc tccccatgaa ttataccttc tggtagtaag ttnrstttct 240
ccttcaccta ctaatgtcaa ttctctatta agtgcaggt catcactctc aaccaggac 300
agaacactaa atcacttgca cttatgctt ttagaaaatt tctcctagaa acctgtcctg 360
aagtcaatag ttcttaacca ggctctttta aaacttcag gggggactgg agaa 414

<210> 32906
<211> 424
<212> DNA
<213> Homo sapiens

<400> 32906
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ccccacaggt cagagtgggt gtagaacccc ttcaggactc ccagccgtgg tcaggctctg 180
aatactccct tcccaacatc cagactgctg ggcctttggc atccacttac attagaaccc 240
acgtttgttt cagagcacat tttggacttt cactgttggg aaatgaatga atttataaca 300
tgcctgcaca gcgaaggaa acacctgtcg ctcttagctc kagagtcaga ggatgagtaa 360

accagatgc aagagtatag gacattgagt ggggagaaca agacgaccac agaagtcctc 420
 agaa 424

<210> 32907
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 32907
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 cagaatttcc actggcaaca ctggatacta gaattaatta cagcagtgcc atcaaggttc 180
 tgaagaaaat gtttttcaac ctggagtttt acacccaaac tatcaagagt gagagcagca 240
 taaagacatt tttgtatatg cagagtcaca ctgagtttac ctgtcatatg ctattaggac 300
 agtatttaag aaagtaattc aaacaagggg gaacatcaga tcccagatca aatccagtta 360
 ccccaggata gccatgaagg gctgttccag catgatcctg tgtagcaggc ccggcagaa 419

<210> 32908
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 32908
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 tattataaca atgtgacatt gcacatctaa ataccacatt taagttgatc attaatatgc 120
 aatggtagat cagattgggg gatgtagcaa actggacttt aagaactgga aagaggtttt 180
 acaaaagaaa aactttcaga ttcattctctc attttatatg tccrgaaatg gctttgaatt 240
 ttaagcaatt actagtttta attagctctg ccctcatgaa gtattattat aattcacc 298

<210> 32909
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 32909
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 tcgcgcctgt aatcccagca ctttgggagg ctgaggtggg cagatcgtga ggtcaggaat 120
 tcgagatcag cntggccaac atggtgaaac cccgtctctg ctaaaagtac aaaaaatta 180
 gctgggtgtg gtgacgcaca cctgtagtcc cagctacttg ggaggctgag gcaggagagt 240
 cgcttgaact ggggagggcg aggttgagc gagccaagat catgccactg cactctagch 300
 tcagtgatag agcaagactc catctcaaata aataataata ataaagactt aattgatact 360
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<210> 32910
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 32910
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 tttttttttt ttttt 75

<210> 32911
 <211> 355

<212> DNA
<213> Homo sapiens

<400> 32911
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gatagatgcs gcaacatctc aacgtggcac taggaaagtt cccaagtgtg tgaaagaaac 120
agatgtgcag gagaatgata aggaacaaca tgaagataaa tcggcagtcg gaaaagaacc 180
gattgaaact ctgagaataa agcattggaa tagaagtaat tggtttaaag aagcagaaaa 240
atcatttaga cgtgataaag agtttaggat ctcaaaagtg aactaatttt atagggtgtg 300
ggtttccaaa atttttttgg catgrntaga ctwaatttat ttccttaaag aataa 355

<210> 32912
<211> 334
<212> DNA
<213> Homo sapiens

<400> 32912
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aactgtttgg cttctgttta gccattattc tcagtkctgt gcaggagtga gctgaaacaa 120
agtngtatag bncagagagt gagaagctgc atttcatgtc tcccaacagt cagaaaggga 180
ttatgtactg ttttaaggaa gagattggcg aatattttga aacsnttttg ggaaagcata 240
gaatattgaa aatccaaaat taaccaaats ngtgagtgtg caagckcaaa gctagagacc 300
ttaggaatrck cttaggatgt gcaaaacagg aagg 334

<210> 32913
<211> 375
<212> DNA
<213> Homo sapiens

<400> 32913
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gtggcccggtg tggcagcggtg gaggcgctgc atgctggagg ctgtgctgag tgcccgggtgc 120
aggtgagccg gtcctgcgga gttgtgccga gtgcctgctg cagtctcatt tccagttcct 180
ccatgacgtg gcaagtgaag acaggaatga aaggratgta aagcagcttt tctctgaaga 240
gaagaagaga gagagacaca gccaagaccg aggctgggcc aagatgggtg ctgtgtttcg 300
aagcgaggag atgtgtttgt cacaactgtt tctccagggt gaagctgcat attgctgtgt 360
ggctgagctc ggaga 375

<210> 32914
<211> 345
<212> DNA
<213> Homo sapiens

<400> 32914
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ctttaaatag taaaaaacat atgggggcag gattgcattt gtcacaaatt gtcaaaatat 120
tttttttaaag aaacaaaaat cttctaggga tggttccaaa tgtgcctgat ttncctgagc 180
agtgagcagt gcgaccttta cattagcaga tatatttata aatacacata tggcccgcca 240
ggacctgatt ggctgctgat ctgatgagac agcgacagat ttaatgggtg ttcacctacc 300
tgggggttag ttttttwagt tactgattta ccttagcagt tttca 345

<210> 32915
<211> 419
<212> DNA

<213> Homo sapiens

<400> 32915

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gcacatgcc	ccacgcctgg	ctactttttg	tatttttttag	tagaggtaga	gtttcaccat	120
gttgccagg	ctggtcttga	actcctgacc	tcaagtaatc	tgctgcctc	agcctcccaa	180
agtgtcggg	ttacaagcat	gagccaccgt	gccagccta	aaattcagat	tttaattggc	240
acgttaaaga	tgccagttag	tttgtgtgtg	taaatttgaa	gagtaaattg	gaaaactgaa	300
tgaagtttga	cttgtctgct	tgcatatatg	gagaaaatga	aaaacgtact	ctaaaatttt	360
aacctagatt	tttgaaactc	tgaaagaaca	aggaaccaa	tcttactaca	gaactgaay	419

<210> 32916

<211> 429

<212> DNA

<213> Homo sapiens

<400> 32916

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aacaggggtt	atactaagta	gtggaggagc	gtatgggttaa	gcccaaagg	gcagaacaag	120
aaagccacgg	gattgtatga	aatcaaact	gagtttgtgg	tgtagactgc	tgtatgcagt	180
tggaaaggac	acgtgagagt	gagctcaagt	ggcagcagag	gcagtttggg	ataagctgcg	240
gcaagttgaa	gaagctgtgt	tggacgagat	tgccccgcct	tgatcagggg	accatgacat	300
aaaagggttaa	agaacaggca	acacaatgag	cacttaagtt	tttaacatgt	ggggaatagg	360
gcattttaaa	ggctggaacc	agttcagaag	gaaannnggg	tttgggtaga	ggtagaaagg	420
tttaattaa						429

<210> 32917

<211> 230

<212> DNA

<213> Homo sapiens

<400> 32917

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agtgggttct	ccttatgtga	ctttctcccg	rvgtgcgagt	cctcactgca	ggatgcgata	120
ccggctgaat	gcttccaaag	caccttttgc	agtgtgaatg	cccgggtgtg	taggaagtgc	180
gagttccccg	agcaaactct	ctcaccgcg	ctgtgttctt	aggcccccca		230

<210> 32918

<211> 377

<212> DNA

<213> Homo sapiens

<400> 32918

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gattgcagtt	taataattaa	actgtacata	ctgtgcatat	aatgaatttt	ttatcttatg	120
taaattattt	ttagaacaca	agttgggaaa	tgtggcttct	gttcatttcg	tttaattaaa	180
gctacctcct	aaactatagt	ggctgccagt	agcagactgt	taaattgtgg	tttatatact	240
ttttgcattg	taaavgtct	ttgttgtaca	ttgtcagtgt	aataaaaaca	gaatctttgt	300
atatcaaaat	catgtagttt	gtataaaatg	tggaaggat	ttatttacag	tgtgttgtaa	360
ttttgtaaag	gbnaatg					377

<210> 32919

<211> 240

<212> DNA

<213> Homo sapiens

<400> 32919

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tcactcactc attcattcaa attataagaa gctgctactr ttaccttaat gtaatgggta	120
ctgtacaata cactggaagt gaaatagata aatagaacaa tatgaaagam agtaaacaga	180
agtcaaagta cgtatctgtg atcagtagtg agttaatggt tgtaaatagt ttgggggtccc	240

<210> 32920

<211> 287

<212> DNA

<213> Homo sapiens

<400> 32920

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aaacatggat gcaacgtatg tcaagttaat actTTTTTaa accaacgcaa tttgggtgaat	120
atagatgtgt ggtacctgtt ttttaataagt gtactTTTTt tccccctcc gtgaatgtag	180
atcataagca aacaaattgc ctgtctaaat gaactTTTaca tatattTTTaa atgaatgtat	240
gtacttacgt ataaatgtct ttatatagct tgaataaaaa cactgcg	287

<210> 32921

<211> 280

<212> DNA

<213> Homo sapiens

<400> 32921

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catcacctca tgcgatgacc tccctcattc tgtgctgcct cagcacttat cttttgaagt	120
ttgtactgtg ggtccatgta cttactaata tgttgctttg taattatttt ctagcactct	180
gtgttacagt ttcataattg tatttatttc caaaattaaa ttgtaagctc cttgagggca	240
ggaataataa cttttacatt tgtatctctg caccgccata	280

<210> 32922

<211> 181

<212> DNA

<213> Homo sapiens

<400> 32922

aaycagggca acgccgcggg agagaaccbd yacctwggch gcactaagtt cwcggygcca	60
ctccctggca gggcgggacc ttgttttaggc ccygtgatcg cgcgghtcgt agyagcgcaa	120
aggcgagag tggaccwwga cccgcctaga gcgggaagag tttggcccgc cgggtcccaa	180
a	181

<210> 32923

<211> 402

<212> DNA

<213> Homo sapiens

<400> 32923

cctcctcagc ctctcagta ccattctgtt accaccattg gtccctgcatt ctgagtttgc	60
cacctggcac gtgcccttca aatgtctcca ctgcgtcttt gcctttccct tttctgttgc	120
gtgccatcat tccgattccg attttaacag caacctgctg atttccctgcc atagtttccct	180
actttccatt ctgagcccct ttaatccact tataacaatat aactactccc tgaattattt	240
ggtcatacca cttgtatctg ccgaaccctt attcctcccc tggggtacgt tttccactaa	300

acacacacag ggaaatgcca cccaaatagc tctatgtgtg ccttggtcat tcttgtttcc 360
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<210> 32924
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 32924
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 agtcataaag aaagcaagat gtcttgcttt attaagaaaa cttaaaacag cacttggaat 180
 ataattaagt tttttttttg gttgggcata gtgccttggt cctgtaatcc cagcactttg 240
 gaagttaagg tgggcagatt gcccaagcgc aggagtctga gaccagcctg gacaacattg 300
 gagaagcccc atctcaasra aaaaatacaa aaattagcgg ggtgtggtgg catgtgcttg 360
 t 361

<210> 32925
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 32925
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 ttttgtgagt cataatncta cagttctctt aaatkctcag tctttcagat atckatackt 120
 ckccaatgtk tckctatkat aaaaacaaca gtaattgaat gtcygtccca cckt 174

<210> 32926
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 32926
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 ccttggtctg tactgttaca tgggtgtaat agctgaagag gaagcatawa aagtcrgaat 120
 tattccagaa agccaaggta ggagaattta tactaataaa gtttcggata aatttgaatg 180
 aaatgtrkct ctgtgaaaat tattacattt gtttkgaaga cattaa 226

<210> 32927
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 32927
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 cagcatcata agggaatgta gccttccaac agagatgatg ctgttcgtat gttaatatca 120
 gagacagtat ttcaagagag tggcagggtct gttcctggta aaattttarc cattaggatt 180
 gcagataaat gtttgaattc tgctcctctc tcatcaatcc aggacagtat ttgaagtgtg 240
 agggctttgt gtatagtgtt ttatncatta ccacatTTTT gtattttaat agtctacagg 300
 ctatataaaa gaacatggct ttttgactga taa 333

<210> 32928
 <211> 179
 <212> DNA

<213> Homo sapiens

<400> 32928

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agcgcgtcgt	atgcggccag	cactaaggtc	cttctggcac	tcctctggtg	gaccgcccc	120
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<210> 32929

<211> 277

<212> DNA

<213> Homo sapiens

<400> 32929

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gactggagaa	gccttgattg	agttagaagt	atgaagacat	tctcacataa	gattttatta	120
gtcttccatt	atttacaagc	agatgttcaa	gcttcttgat	tgggttttat	ggggtttgta	180
atatgatcct	ctctacctct	ctaaattcca	agttcagtat	tccttgctag	catctattca	240
caagataggc	tgcttttttc	acgggtcttc	ctcccta			277

<210> 32930

<211> 146

<212> DNA

<213> Homo sapiens

<400> 32930

acctaataatt	aaaaatcttc	ttctctaaaa	gtggcatata	accctgatca	agaggtcattg	60
ggctcagttt	gatatatggt	tcacctcatt	cttactgaag	tcctcattat	gatacakcgag	120
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<210> 32931

<211> 393

<212> DNA

<213> Homo sapiens

<400> 32931

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cttgaggtaa	taggagatat	tttggttaagt	gaaaataatt	cctgcttgga	acacagccta	180
ctgaactcag	gatttaattt	cttgagtatt	aggcagttct	caataaattg	atgtatactg	240
aggaatgatt	ctaaagaggt	tagtgatata	ctgtttgaga	atagatttag	aaaactgaag	300
gtactctcca	gctctacaat	tctgtattag	gaacaatagg	gaaatgagaa	agtgccctcta	360
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<210> 32932

<211> 394

<212> DNA

<213> Homo sapiens

<400> 32932

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ttagtggtcc	caatcgaggc	cattatatgt	caatagttaa	gagtcattgat	ttttgggtgt	120
tgtttgatga	cgacattgta	gaagtaagta	gtttcttaat	ttcttatttt	tgaaagtgtg	180
atgcatatgt	tgcttttcac	ttttttctca	tagtttttca	tttatatatg	acaggtgatg	240
atatgagaca	aatgtctggg	tctatagatt	gtagtctaata	tcctacttct	tactctgcaa	300

cgccaagcc cagcagttga gtggcacct aacctttaca cacctagaat aaaacaagg 360
agccaggtg cggcggctca cgcctgtaat ccca 394

<210> 32933
<211> 58
<212> DNA
<213> Homo sapiens

<400> 32933
agcgagtcct tgcctcbcgg cggctcarga cgagggcara tctcgttctg gggcaagc 58

<210> 32934
<211> 365
<212> DNA
<213> Homo sapiens

<400> 32934
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actacaattg agtccttgag ctaccctcag ttgtttgtag tactaactaa cdgttycag 120
rmcctgctag caagtcagtt tccatgytcc atattgtgct aagtgatgac agaaaggcat 180
ggaaggaaga gctctaaaaat gaagaaaaaa ataaattttg ataagtgtgg caccttgaca 240
gaatggattc agactatttt ttagcackgt chvtttatta aaataccacc gtcattccct 300
tatcttcnac cactagttag tggaacatg gataccagcc gtcactywtg aaggcttgac 360
agaca 365

<210> 32935
<211> 416
<212> DNA
<213> Homo sapiens

<400> 32935
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gccagggtat tttccagtag gtgtatagca tttcctactc ccaccaacag tactcagggt 120
gcttggtttc ttttaccctt gccttcactg gtatcatcag tctttctcat ttttgccaat 180
ctgatgggtg aaaaacaata tccataattt tcatgactat ttgtcctttt tttccatgtg 240
tactggcttt ttcatttctt ttatttggtt cttatggata tcttttgctc atttgagaaa 300
aataggagtt gtcttaccac tctctgcaag ttctgtgcat ggatattaac tccttcacct 360
gcgtagtggg ttgtattttg tttcactwgt ctcttgactt tttttttttt tttttt 416

<210> 32936
<211> 99
<212> DNA
<213> Homo sapiens

<400> 32936
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aggattgatt gaggtcagga cttcgagacc agcctgaac 99

<210> 32937
<211> 212
<212> DNA
<213> Homo sapiens

<400> 32937

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cttttttaaa	agagttcatt	tgttgaagtg	ctagtgaaaa	attwatgggt	aataaaatwg	120
gtttgcaa	gactatttat	accagtatgc	atataatTTT	taaatatttg	taatgtgaga	180
tgttgaatga	ataaaacttt	taactcagaa	aa			212

<210> 32938
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 32938		
tagaggtgaa	ggtttaggac	cctaaaccca gtatcgccgg tcagagaaaag tttcatagga 60
gagatggcct	ctgaagacat	ggaggaatta atca 94

<210> 32939
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 32939		
aaaaggggag	atgagtttgt	ctgtcctctg ctgaggctac ggccgggcct agggaaactgg 60
gagcttgggt	gga	73

<210> 32940
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 32940		
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agagagatca	caaccatcgt	ctcaatgaag cagcagcaca cacaggggatg tgtggtcgwc 120
ccaagttag	gggagagagt	ttaaaggcgg gatgatcata tgtgaagdhn tggcagcacc 180
aatatggcac	tgtcaaagta	aaagagaaaat agatctgaac tggattttta tgagaataat 240
agcaaata	aacatttctt	agatagtttg atattttattc tggaagtatc gctaccaaca 300
tcaacatctg	ggaaagcdag	tgggcatcaa aatcctacct ggctaattga aagcaaagtt 360
ttaatcagtg	catcactcct	acgggcctct caattaaaaa taaaatgraa caaaatgaca 420
aacttcttaa	ttttgt	436

<210> 32941
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 32941		
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gctgagccgg	aatc	74

<210> 32942
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 32942		
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ttgtattttca cctgggttcca gattgggaag aaagaaaaag aggaaagaag caagatttcta 120
 catcatacca ctaccatatt ccttcgcttt ctagtatgtt gatgtattta tgtgttatca 180
 gaattccggg c 191

<210> 32943
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 32943
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 gtagcttttt tacatttatg ttttaataga gtgggcttta ttaagtcarg rataccttcw 120
 atkgtagatt aagtacagag taccaagaag ggctaagtta ttcactgggt aacacaggat 180
 tcctaaaatt actgggaagt tgtaatactg ttattgaaat aattcacact gtaaaatgtt 240
 ctcagata 248

<210> 32944
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 32944
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 gagaaataga ggagaagcag aggagcagga gataaaggat aaaatgagag gaagbrgrag 120
 aaatagagga gaaccagtgg agaaggagga ggatgacagg aggaggaaga ggcaatggag 180
 awgaggagag gaggagaaga ggggaagggg c 211

<210> 32945
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 32945
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 gctcggatgc cccaggcagc ccgggcacag tgagcttagt ccccttcaac cccstccgca 120
 gagctctggg gcatccgcac agtcactcct ggacacaaga taaggaggag tttccccgag 180
 gcatcacagg gcttcccggg actgaggggac tgactcaact ggttattgga cagtgcccca 240
 cssccaatcc ggctgagggg caggaaggca gaaggtcttg gtggccctgg atcttgtggc 300
 tgcaa 305

<210> 32946
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 32946
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 gagtagcttc cagaagccca gaagcagaca taacctccat tgggacctcc tgtgcactta 180
 tgccccgtaa tcccctattc cagattgtta tgacccaaac ttttaaggaga actgaatgaa 240
 aaaggacaga aagggttaaat gtatcctact caacatattt atgatgttta tttattttatt 300
 tattaattta tttatttgag tcagagtctc cctctgttgc ccaggctgga gtgcagtggg 360
 gcaatctcgg ctactgcag cctccacctc ccaggttcaa gcgattctcc tgcctcagcc 420
 tcccagtag ctgggattac a 441

<210> 32947
<211> 423
<212> DNA
<213> Homo sapiens

<400> 32947
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taaccctcga gacctttcaa gatctgtcct tgccaattcc tggcaaggaa gaccttgcta 120
agctgcattc atcaagtcac ccaacttcta tagtcaaagc aggatcatgt ggcgaasata 180
tgctccacaa ggggtggatag cttttttcat ggaatatgtg aagaggtatg tatttatttt 240
ctttgtatta catgattgtt aaacctgctg tttctgctgt actggcagaa cacttccttt 300
cnbvtcttat caatgatgtt tcaggtttgt tgtctcatgt gtccctagct ggttttgggg 360
tccagtagta accttgcaag attgtcttgc tgccttcttt gccagagatg aactaaaagg 420
taa 423

<210> 32948
<211> 102
<212> DNA
<213> Homo sapiens

<400> 32948
cgctgctctc tgttttttagt ttgtgttttg tgtgtgtttt atgtcatgga ggggaaggta 60
tacatccata aaaatcactt agaactggat ccagaggagg at 102

<210> 32949
<211> 307
<212> DNA
<213> Homo sapiens

<400> 32949
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catacacaata tcaatacatg tgatacatca catcaacaag atgaaagtca aaaactatct 120
gatcatctca gcagatgcag aaagaaaaat cactcggtaa aacttaccat gccttcatga 180
tgaaaactct caacaaatta tgcatagaag gaacacttca acataagaaa aggcatatat 240
gacaaatcta cagctaactt cctactcact gggaaaaatt gaaaagcctt tcctctaata 300
actggag 307

<210> 32950
<211> 208
<212> DNA
<213> Homo sapiens

<400> 32950
cataaatagt tcttattatt ttgagatgtg ttccctcaat acctagttaa ttgagagttt 60
ttagcatgaa gagctgttga attttatcaa aggccttttc cacatctatt gagataattg 120
tgtgtgtttt gtcactggtt ctgtttatgt gatagattac gtttattgat ttatgtatgt 180
tgaaccattc ttgcatccca kaggtgaa 208

<210> 32951
<211> 289
<212> DNA
<213> Homo sapiens

<400> 32951

cccccttgct	ctctcggccg	tttcccctac	acccgcaggc	cttccacagc	tttttgaact	60
gagscaggv	nntcgcaggs	gatctcgaag	gagsagcaac	tgcacggtgc	kcctcabatc	120
cgcgtgcccc	asgtcaccgg	ggaacaaaga	agttacttat	ttttcctttt	agctcakatg	180
aagagagarg	gcgttgtctt	ccacasaaaag	acgctgcgaa	ctccgcccc	gtcccccttt	240
ttcttgagc	ccttccgtgc	gggtgcagct	gtttaaacta	abgccccaa		289

<210> 32952

<211> 289

<212> DNA

<213> Homo sapiens

<400> 32952

ggagatggcc	gggtgtggtg	gctcatgcct	gtgatcccaa	agtgtctggg	ttacaggtgt	60
gagccaatga	gcccgtgcc	aatgtgactt	attaaggatc	acaccaaagt	tactacctgg	120
catttttctg	gtggaagcac	tcagcgtaca	ttctgatgac	ttgnvccaat	ataataattc	180
gtctctacta	gaagacaagc	agcagctgtc	agctgccatg	cataccagca	gctggcaaac	240
aaactaaatc	ctttttatgt	gaaagaaaac	aacatcctaa	tccaccacc		289

<210> 32953

<211> 130

<212> DNA

<213> Homo sapiens

<400> 32953

caacatttat	gttttgagat	attatgtgtt	aggcaccaag	ctagggtgcta	ggtaggggtg	60
caagggcgaa	aaaggcaagt	tagctgtctt	gaagagctta	cattctagtg	ggacccaata	120
ccagggcagt						130

<210> 32954

<211> 250

<212> DNA

<213> Homo sapiens

<400> 32954

tatctccatt	ttaagatgag	gaaattgaga	cagacgagat	tacctaactc	tctcaagggt	60
tcaccacaga	vcgtggttca	aacccatgtg	ttctagtttt	attacagtta	agaaactgca	120
agagtttgcc	aatttgtaaa	gtgccagtc	aagataaatg	gacactctga	gtatcaaaaa	180
aatacataat	ctgcagatca	aaacacgaag	atacaaacat	ctaagagtca	ccatggaagt	240
tgcgaggccg						250

<210> 32955

<211> 438

<212> DNA

<213> Homo sapiens

<400> 32955

aactcgggac	gtggctacat	ctcccatttc	acctactgaa	aataacacca	ctccaccaga	60
tgctttgacc	cgaataactg	agaagcagaa	gaagaagcct	aaaatgtctg	atgaggagat	120
cttgagagaa	ttacgtaagg	aatttgtagc	tttctgaacc	tttcttcgtt	ttatgactgg	180
tcaagcacag	agatttgctg	gtcgtaggct	tgggtccatgc	agctggctgg	ccatgcttgg	240
taccttaggc	acagactgct	tctcctcacc	ctgccccctga	acctcccttc	cctgtctcac	300
agccctgggt	ggatactatg	ttaggatgga	gatgtgggtga	gagtgtggat	agcttacttt	360
gagggcaggg	catccctcam	ccctaggcat	gtattatagc	gaagacaaat	agtttttctc	420

taatgaatag cctagaat

438

<210> 32956

<211> 142

<212> DNA

<213> Homo sapiens

<400> 32956

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attdagaatg ataaaaacct tatctttgtg gcaaatactt ttggcatttg ccttttatga	120
tttaatttta tgatacacia ac	142

<210> 32957

<211> 397

<212> DNA

<213> Homo sapiens

<400> 32957

aaaatacaaa actcttttcg aagaagcaaa caaaaagtat gatggattac agcaacagtt	60
gtcttcagta gaaaggggaat tagaaaataa aagaaractg caaaaacagg ctgcaagtag	120
tcaaagtgcc acmsagggtc gcttgaatag agctctagaa gaagcagaaa agtataaact	180
ggagttaagt aaattaaggc aaaataacaa ggacatagca aatgaagaac acaaaaaaat	240
tgaagtgtta aaatcagaaa acaagaagct agaaahacaa aaaggagaat taatgatagg	300
gttcaagaaa cagttaamat taattgatgt tttaaaaagg caaaagatgc atattgaagc	360
tscaagatgc tatctttcac tgaggaggaa tttatga	397

<210> 32958

<211> 264

<212> DNA

<213> Homo sapiens

<400> 32958

caggggaata aggggtggctt tgatccagcc taaattggga tgtttccagc ccagggaggg	60
tttattgagt gtggggagag gtcataagct ctcaaggagc tgggtgggaag accaggccca	120
cctgcctcct gtctgaagg ggggttatgca gatgagatac aaatgagggc ctgatcctca	180
gccccacca actctccaaa agccaacttg cacagcgagc atttagattg tctctgcagc	240
cagagactgt gtgaaggggg gtgc	264

<210> 32959

<211> 335

<212> DNA

<213> Homo sapiens

<400> 32959

aaactggtct cttgatgaaa aaaattataa gtcacctgag aggcagacag atcaaaccac	60
acaggaaaca ggaaatgcat gtttgatctg ttgtcacgtg tctgtgggga gggccctgtc	120
ccatcctgaa taagatactt atgttgagct attcacatca aggggactca atatatcaac	180
aattgggtttt atttttttct cttttgaata tgttggtgat aattccgtga cagttggaag	240
atgggggttca tdcthcsagg tcaggaaatca ctatgtattt ccttcttgtg ataaaaatra	300
aattacgaga aggcawtgtg aggttttagt acatc	335

<210> 32960

<211> 287

<212> DNA

<213> Homo sapiens

<400> 32960

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agcggcaaca	gccaggtagc	ccagctccac	agaggctcac	acaccagggc	ttgcaagcac	120
tgagcaccag	gcaggtgcct	ttcctgctgc	caagaagccc	aagtggaaag	tcagctcagc	180
agaaggggaa	gtgaaggaag	agcccaagag	gagattcttg	caattgtcat	ctaaacctgc	240
tcctacaaaa	gcagaaatga	agccaaaaaa	ggcagtcatg	aaaggac		287

<210> 32961

<211> 393

<212> DNA

<213> Homo sapiens

<400> 32961

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gggccccagc	ccacaccttc	accaggatgt	atgcatggag	gtcgtatcta	tccagtcttg	120
ggaacgtact	gggacaactg	taaccgttgc	acctgccagg	agaacaggca	gtggcagtgt	180
gaccaagaac	catgcctggt	ggatccagac	atgatcaaag	ccatcaacca	gggcaactat	240
gggtgagagg	ccctagaggc	accctcagtg	ggcacacatg	catactcatg	catgtataca	300
cgcatgctgt	gctgtggggc	acgtccagca	ggccactcct	acaccagat	ttgactgtgt	360
gtgcgctcag	ccactgtgcg	tctctcccac	cca			393

<210> 32962

<211> 253

<212> DNA

<213> Homo sapiens

<400> 32962

cctaccctgt	cctgagaaag	catacttgac	aactgtggac	tccagttttg	ttgagaattg	60
ttttcttaca	ttactaaggc	taataatgag	atgtaactca	tgaatgtctc	gattagactc	120
catgtagtta	cttcctttta	accatcagcc	ggccttttat	atgggtcttc	actctgacta	180
gaatttagtc	tctgtgtcag	cacagtgtaa	tctctattgc	tattgcccct	tacgactctc	240
accctcagcc	ccc					253

<210> 32963

<211> 393

<212> DNA

<213> Homo sapiens

<400> 32963

ttagtcatct	cagctggtag	ttctatacga	tgagttatct	caccacttaa	aaataagtac	60
gctgctatct	tgagatttaa	aaatatatat	agtgayymga	tttcttacc	tagttaaagc	120
aagccatggc	tgaaactcag	attaaacaat	attctataaa	aatgagaagg	ccactcta	180
caacagatag	aaaaacagaa	ctatagacat	aagggagagc	tgtgctaagg	gacaaattgt	240
tggttttgta	ggvtttggtc	gtatcctgaa	agttaaactc	ttgtactctt	accttgttta	300
tgccagatt	tgctgatcc	ctgatttccc	tcccaactgg	atcagagggt	gtggaattgg	360
aatttcacca	tacaaacctt	tacttaaagg	ags			393

<210> 32964

<211> 392

<212> DNA

<213> Homo sapiens

<400> 32964

taatgaagtc	ccactacaga	atttaacaag	agagtgattt	gtgwgataa	ctccctctcc	60
taactgttct	gatccagtgg	cgtaaataag	atgctgagca	ccactcctgc	tgggtttttt	120
aatgctgttt	catttgattg	agaccagta	gctttttggc	ctatgattct	tggctgtttt	180
gttttgtttt	gttttgngct	ttccctagag	gaataaagta	aagaacttct	tgtgtactta	240
tagcttaaag	aaacagccat	tgtaaccta	acgactgatg	aatgtgtggg	attctcttag	300
atttctttca	tcgacgaaaa	aagatttggg	gttgctttca	gttatttcaa	aaaaacagat	360
ataratcata	aaaattaatc	raaagaaagg	ch			392

<210> 32965

<211> 386

<212> DNA

<213> Homo sapiens

<400> 32965

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tccattttaa	tatcttggtt	gtttatcagc	ctgagcatat	ttcattttaa	aatgtatttg	120
ttgagaagtc	atggtgggtt	tttggttttc	acaagtcaag	tagcttgaac	actatcactt	180
gtccaatggg	aaagttgatg	cttatcttta	tggcaaatgc	ttggttgaat	aatatatttg	240
caaagatggt	aattctacag	agagctaaat	aaagttaaga	tacctgtaa	acagtttctc	300
cagatgactt	taaaataagc	cttatttttg	taaatttatg	ttaaatttta	gggtgtaagt	360
tgtgaaatac	ctaatgatgt	gggcgg				386

<210> 32966

<211> 374

<212> DNA

<213> Homo sapiens

<400> 32966

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aatgagaact	aaaaagggtta	tttctgttct	tgggtgccca	aactgctctg	gtattttgcc	120
aaatactaca	gatagtaaaa	ttcttaatta	aagctgacat	ggttatattt	ttaaaaattt	180
aggtgcaatt	agtctttcaa	gatcagaaga	tatttagtta	gtatcatagt	tcagtctggt	240
ccaagctgta	aagtcagtta	tttcagtaat	gtaatttcta	agatctataa	aaaatgaaaa	300
tattttattt	tcttatataa	ctttctgtga	gagcattgaa	cagtcaagaa	acttgatgtt	360
tttccagccc	ccga					374

<210> 32967

<211> 259

<212> DNA

<213> Homo sapiens

<400> 32967

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gggaaagtct	agttggggat	aaaactggag	aggtaagaa	tttgatccat	gggaaattcc	120
accatttttag	agcaaaatgt	cacgtctgca	aggatcatatt	atatgattct	gactctggcg	180
acagcattca	tgagggctag	agtagtttagc	aactggaggg	aggcatgtta	agatttcaga	240
gtagtaattt	aacccgaaa					259

<210> 32968

<211> 75

<212> DNA

<213> Homo sapiens

<400> 32968
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ctcaatttcc ttcac 75

<210> 32969
<211> 418
<212> DNA
<213> Homo sapiens

<400> 32969
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gatccacctg gcttggcctc ccaaagtgtc gggattacag gcacgagcca ctgtgcccag 120
ccaaacatca ccactctattt ccttttaggtc ctaaaatatg catattctgt cgcggctcgt 180
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aaattatctg attctgtacc aagattacaa gtttaagacca acttctttgt ctggctcatc 360
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<210> 32970
<211> 325
<212> DNA
<213> Homo sapiens

<400> 32970
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gcagtatttg gatattgctg tttaaacagt agatttggca tagatgatgg tggcakahkt 180
ggttgtaaag gaaaagaagc agaacacctc agtttgttca attctctcat tgggggtttc 240
agttgtatcc agaatttaaa acagtaaaat ttaagagtgt gaacagcaac attcacactt 300
tgtttagtaa gtacaaagtt gtgct 325

<210> 32971
<211> 244
<212> DNA
<213> Homo sapiens

<400> 32971
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tgaaacgggc aatctggccc attctatata ataggggaga aaatagaaac ttagatttac 120
taattagttc aagttggcac agatataagg ggatctcaga cttcaactca ggcagtcagg 180
cagggcctat actcttgata ttcctttctt gatactttct cagtatcaaa ttaccacaat 240
agac 244

<210> 32972
<211> 169
<212> DNA
<213> Homo sapiens

<400> 32972
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tggcagcaat aagaaagacc cttattcaaa ttatttaata attcttcagt gtattcta 120
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<210> 32973

<211> 244
 <212> DNA
 <213> Homo sapiens

<400> 32973
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 ttttttattg atatataata gttgtacata tttatggggg acatgtkata ttttgatata 180
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 atca 244

<210> 32974
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 32974
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 ggcatatcca gatgaaacta gccagactgg aatttgagtc tttggaggca ctcaagcagc 240
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 aggcaacctg agtgcccagc gtgcccagct gccctgttgg cagaggcctg tgtctgtgcc 360
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<210> 32975
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 32975
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<210> 32976
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 32976
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 gcaagtcata ccattgtttt atgtactacg ynaaaagaaa cacaggtaat tatattgcaa 120
 aatgtgwttc atttgaagat ttcaagacat atgaaaaaat gtgtcttgaa atcaatgata 180
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<210> 32977
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 <212> DNA
 <213> Homo sapiens

004220" 6561560

<400> 32977
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<210> 32978
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 32978
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 <213> Homo sapiens

<400> 32979
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<210> 32980
 <211> 377
 <212> DNA
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<400> 32980
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<210> 32981
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 32981
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308

<210> 32982

<211> 312

<212> DNA

<213> Homo sapiens

<400> 32982

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aatgggggaa	aaatgaacaa	aggatagaga	ttctttttga	aagcaaattg	aagccccttg	180
gcactaagac	taaatcagac	taaaagttat	ggttgctgat	caattatata	taaccacaaa	240
taacttgcct	tcaaggggtg	cttcacggtc	agagtgggca	ttaccattgg	ggagactaaa	300
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<210> 32983

<211> 372

<212> DNA

<213> Homo sapiens

<400> 32983

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catatatkh	tggtttggwc	aggaagggat	cttgggaggt	cttccagtcc	ttgtcctgcc	180
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wgatagtcta	ctaattatgc	aaattatata	tcagaacagg	caagtgggtg	attcaagtat	300
gtnhataagg	catdvcaaac	aatcagtttg	aaattccaaa	tgtagaacat	ctttaggvca	360
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<210> 32984

<211> 141

<212> DNA

<213> Homo sapiens

<400> 32984

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tgtttggtgc	ttatacatat	atctatgtgt	ttttcaccta	tgtatgtcat	ttttttcatc	120
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<210> 32985

<211> 351

<212> DNA

<213> Homo sapiens

<400> 32985

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aaactctata	tttggggaag	actatttata	tttaattttg	tataaagtgt	ataaagcctt	180
ataaaatcac	atgtaaagat	gtctgcatgg	aagaacactt	tatccacttt	ctcccaaatt	240
taaccttttt	ccccatttgg	aaggagcttg	gaaaccttga	ggaaggattt	actagtttct	300
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<210> 32986

<211> 349

<212> DNA
<213> Homo sapiens

<400> 32986
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tattgggtcaa atctttgtaa gctggctttt gtctttttta aaaatttctt gaatttggtg 120
ttgtgtccaa tttgcaaaca tttccaaaaa tgtttgcttt gcttacaaac cacatgattt 180
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gtgattttga tcatccattc ttaatatattg atttctgtgt cacctactgt catttggtta 300
actgctggcc aacaagadca ggaagtatag tttggggggg cggggaggg 349

<210> 32987
<211> 238
<212> DNA
<213> Homo sapiens

<400> 32987
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gtgcagtggc tcacgcctct aatcccagca ctttggtagg ccagaggcca aggtgggctg 180
agcacctgag gtcaggagtt ccagtccagc ctggccaaca tgggtgaaacc ctgtcgca 238

<210> 32988
<211> 302
<212> DNA
<213> Homo sapiens

<400> 32988
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gtgacttgct tagggaaagg cattcattaa gtatttttta aagaatatcc tactttgtca 120
ggcgttggtt taggcattgt gaatacaatg gtaagaaaaga ctagcaagat cgctgttctt 180
atgmagttta aattctagtg agtgtaagat agaaaatagg taaactatat gagcaaggaa 240
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gg 302

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<211> 274
<212> DNA
<213> Homo sapiens

<400> 32989
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cctatacccc caggctgtat ctttagcctt cttcatttct tgtcttgtgc tctttttaag 180
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gtgtttactt acaataatct gagtttgcgc ccat 274

<210> 32990
<211> 234
<212> DNA
<213> Homo sapiens

<400> 32990
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acctgttgca	agagtgaatg	taaaaaaata	gttgtggcat	tttaaaaggt	cgcctttgat	120
gcagatgcat	ctttttcttg	cttctaaaac	atatttcatg	taaacattgt	acatttatta	180
ttgtaataata	tactattatg	cagcttattt	tacctgaaac	tgtaagccg	acca	234

<210> 32991
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 <212> DNA
 <213> Homo sapiens

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ggttttataa	ggggagaccc	ttttcacttg	gttctcattt	ctctcttgtc	tgccaccatg	180
taagatgtgc	ctttcaccct	ctgccatgac	tgtgaggcct	ccccaacac	gtggaattgt	240
gagtcatta	aacctctttt	tgtttataaa	ttaccagcc	tcaggatatgt	ctttatccgt	300
agcataaaaa	cggactaata	catcatgcca	ctgcaaaca	caacaac		347

<210> 32992
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 32992						
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tccatcatct	tgacttctgt	gacagtcatt	tccattaaaa	aaaaaat	actccctatt	120
atgtgtcttt	aaacattagg	attagctttt	gtatagtttt	aaactttata	ggaatagaat	180
tatactgtat	atattctttt	gtgacaattg	atctgtgaca	aattgacatt	gtagagcaac	240
ggggaagaga	cactttttca	ataaatgggtg	ctgggtcatt	tgagtatcca	tatagggaaa	300
aataataatt	tgcttcacac	aataaaaaat	aatttcaagt	ggatttatag	atatgaaaag	360
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 <212> DNA
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cagtattttg	cttctggcag	gagagctgca	aactgtgtat	cctcaaacag	atgcaaaaag	180
tagtgctttg	caaacggtt	gttttctggt	tatctcagat	taacatcctt	taatacaagt	240
ttcttaagt	taacttgtat	ttctgaaaat	gcttaaaaatt	attttatatt	tccctttggg	300
aatttttctc	tatttccaac	acgctg				326

<210> 32994
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 32994						
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ttcatgcatg	gcgttaaata	gttctatgag	atatgttacg	gaaaactatc	ctctactcac	120
atacacatca	tattctgctt	ccagaggtaa	gcaatttttg	ctcatttagc	tgattccttag	180
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<210> 32995
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 32995
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 aaatttgtaa ttaggctaata ccatttagtg attcctaata ttttgtactc acagagaact 180
 aattgactaa acaactca 198

<210> 32996
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 32996
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<210> 32997
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 32997
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 agttggtgga ggaaatgtga tctgttccta gccctatgtg ctaggcagga tgcctgggta 240
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<210> 32998
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 32998
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 ctggtagaag aggaggaagc agtgtctgaa ccagagcctg aggggttgcc agaggcctgt 360
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<210> 32999
 <211> 217

<212> DNA

<213> Homo sapiens

<400> 32999

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tacatttatt ttcaagtcta ggtttatatt ccattgaaccc agaagcttgg ataggaaata	180
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<210> 33000

<211> 261

<212> DNA

<213> Homo sapiens

<400> 33000

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actTTTTtAAA agaaacaaaa tacacgtaaa ttaattggcat catttttagt ctcttattcc	180
atgtgttaag ttgttctaag tgtaaattaa tttttttttt tyccttgaga cagagtctca	240
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<210> 33001

<211> 147

<212> DNA

<213> Homo sapiens

<400> 33001

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agcaagattc cgtctcaaaa aaaaaaa	147

<210> 33002

<211> 400

<212> DNA

<213> Homo sapiens

<400> 33002

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<210> 33003

<211> 63

<212> DNA

<213> Homo sapiens

<400> 33003

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<210> 33004
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 33004
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 tttatttctt taacctgtca tttttttaat cccagaactg caaatctaata tatccaacaa 180
 agggaaacag aatctccatc ttccagcctt ctaccaagat ttagattata tatttgggat 240
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 cccac 305

<210> 33005
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 33005
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 cttctgttgc ttttaaatga tctgacaatg gagactctat tccttatacc atcaataggt 360
 atttgagagc taccaaagag aaggaaccgg tttctttatg gacactacat ccatggagga 420
 ggg 424

<210> 33006
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 33006
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 ttttgatttc tgaaattagc tctttgtggg ctctttacac cccagaagc aagagtgggc 180
 ctactttgc ccagtgtctg tggagaattt aacggcagct ccttgataag accct 235

<210> 33007
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 33007
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 atcgatgtta gactgttaata ccawggccgg ggtca 155

<210> 33008
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 33008

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ataaattctc	atccacttat	gctaaatatg	tgctctgcct	aagacctagg	agaattagca	120
gaavaaataa	ttaccatcct	tcccatgata	caatacaatg	ttattttcca	tttttccatt	180
ctgcattcaa	tgagtattaa	taataamaat	cacttccaat	atagagtact	atgttagacc	240
cagtgaaggt	tgctaaggta	taaaacttcc	artcctttct	caagcagttt	atcttaaaat	300
aataatgatt	atmgtaaaca	tgtattgava	cttaactatg	tgctgcagct	tatgctgaca	360
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<210> 33009

<211> 357

<212> DNA

<213> Homo sapiens

<400> 33009

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ggtaaaaaaa	aatgcaaaaa	cttagtgtca	acaaggccct	gaattaaaca	aataaaaagca	180
ctgagaaagt	agaatagaaa	gaagccaaat	aacagaagag	tcataatatt	agctaatttt	240
tatagatctg	ttaagttaga	tctataaata	taatgtmata	ttattataca	ttatgtttgc	300
tgtttagatta	cattattact	ctatagtaag	ttttcagggg	atttcttaaa	accatac	357

<210> 33010

<211> 336

<212> DNA

<213> Homo sapiens

<400> 33010

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attmtgtcgc	ccaggctgga	gtgtakrcat	gatcttggct	cactacaacc	tctgcctccc	180
gggttcaagt	gattctccca	cctaaattcc	caagtatctg	ggattaaggg	cgcctgccac	240
catgcctggc	tttttttgta	tttttagtga	gacgggggtt	caccacgttg	tccaggctgg	300
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<210> 33011

<211> 77

<212> DNA

<213> Homo sapiens

<400> 33011

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ccgcgcgagc	tgctcct					77

<210> 33012

<211> 340

<212> DNA

<213> Homo sapiens

<400> 33012

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tcvtttataa	actcagatc	tccttatcta	atttctccat	aataaatttc	ttgttaacaa	120
attatrttac	catagatgtt	tttaggagcc	tatccctcag	aattgaggag	tkactataca	180
gtttggttat	actgatttat	tatactgatt	gtwttagta	acatatggag	agagagttaa	240

ataattgtwt gcttttggag ttgcagtga ctamaactgt rtttyataca atataagtvc 300
cgctctatct ctaacttgtt tcttagcaca cacaccttaa 340

<210> 33013
<211> 215
<212> DNA
<213> Homo sapiens

<400> 33013
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caccaaacct gttcttcata cctagaaaga ttgggcttgc agtaggccct atgtgattat 120
tgaaagaaaa gcataatata tttgagtccc gtaaaaagtt ttgagatact agtttaagga 180
gtttaaatct tatccttttag cacaaggact gggat 215

<210> 33014
<211> 308
<212> DNA
<213> Homo sapiens

<400> 33014
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atacagagaa ctccacaaag atactcctca agaagagcaa ctccaagaca cttaattgtc 180
agattcacca aagttgaaag gaaggaaaa atgttaaggg cagccagaga gaaaggctcg 240
gttaccacaca aaggtaagcc catcagacta agagagatct ctcgacagaa actctacaag 300
ccagaaaa 308

<210> 33015
<211> 68
<212> DNA
<213> Homo sapiens

<400> 33015
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gggctttt 68

<210> 33016
<211> 440
<212> DNA
<213> Homo sapiens

<400> 33016
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tctaggagcc gaacattaat gccagatcaa gttggcctaa cagtgaaaag catgttgacc 120
aggaggatgc cattgaggcc tatcacggg tctgccagac aaacaggctg ctggaggctc 180
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aggccctgaa ggaggagatg gacaaacagc agcagacctt ctgccagacg ctactgctct 300
ccccagaggc ccagggtgaa ttcggcgctt agcaggaaat atcccggtg accaacgaga 360
atctggacct taaagaactg gtagaaaagc tggaaaagaa tgagaggaag ctcaaaaagc 420
aactgaagat tacatgaaga 440

<210> 33017
<211> 90
<212> DNA

<213> Homo sapiens

<400> 33017

tyttytytyaa cccccacact aatggcagac attagtcctt ggtgagtagc gggaaggttag 60
aattgagtagc atttctctga gcctacaaga 90

<210> 33018

<211> 332

<212> DNA

<213> Homo sapiens

<400> 33018

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aataatttct tcataattgt vataattaga matrcatacm aaactcagta gcttcattgt 120
gacacaaaga ccaactggagt tctgtccttt ggtgagcctg ttattccant cgtaatgcat 180
ttatcttttag attgggtagg gtgggatttg cattgagtta caatgagttt tcygrtcctt 240
atcagtcagt attaggagtg actgttttta atagtataa tgaggcagct attcccaggm 300
gaagaactta gtcacaggca gaattgtcag aa 332

<210> 33019

<211> 98

<212> DNA

<213> Homo sapiens

<400> 33019

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<210> 33020

<211> 265

<212> DNA

<213> Homo sapiens

<400> 33020

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taagcggtta acctcagctt ctactttacc agctttcctc arscsacagc atgayattct 120
gaaattaaaa aataaagaac ctaantngtg tttttatgct aatgaacatc atttggttaga 180
tgtacatttc ttcagttgct atgacttgac gtgatgcatt aaaacaaatt ttaggcatat 240
gggaaaaagc accttaaaaa aaaaa 265

<210> 33021

<211> 420

<212> DNA

<213> Homo sapiens

<400> 33021

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gttttgagag gcagatataa acgtctgcca gccatactar gtgctccaaa gctggaagcc 120
atagctggaa gttctagtga gaacagtaga gggggaggct tgggagaggg aggtggaaac 180
gtaggatggg gccagcacc cagtggctcac acacagctgc tcagggtggtg cagacactcc 240
tgtcncactg cagcccagac ttccttggtc ttncggmaat gagaatttgc tttatctgcc 300
aagaccctag atgctacaga cgctgccggc ccagggagca tgctctgaga acccctggac 360
tagaccacag agamctagga gcatrnatct ccttttggtg aactgggagc agctgatggt 420

<210> 33022
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 33022
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 aaattgcacc gaagtgtaca aagggccaat ttttggtgtc ctggtgtgct caaatccttt 120
 tttttaaaaa agttatttca atcaagtctt agttttattc ctcactatat agggaaaaaa 180
 tctttaatgc ctcaaaagtt ccattcagca ttacatttgc attactctta tttgcagcaa 240
 atatgagtaa aattataggt ttttaaaggt ctctaataac atccacttat attgggtttg 300
 tagataatcc ataaattacc agaaataaat tattccacat ttattacaca cccatgtaat 360
 agatgtcgt 369

<210> 33023
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 <212> DNA
 <213> Homo sapiens

<400> 33023
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 agatcccacc gttgctttta atattagtta acccaagttt gacagtttcc tttgactgta 180
 ttggggaggaa cagaactcac gccc 204

<210> 33024
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 33024
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 cctgttttca ctttcttttg ttgactcccg tgtggccctc gtgggagcct gttttggctg 180
 cagcgggtgtc tggggtgatg tggaccccg agctggcaat tctgagggga ttccccactg 240
 aggctgagcg gcagcaatgg aaacaggagg gggtcgctcg ttcagagagt ggatctttcc 300
 tacaattgct gctggaaggg aactatgaa 329

<210> 33025
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 33025
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 gaatattgat tttaaacatt aaatgtttac atttctatat agagagaatt cattctctgc 120
 cccctaccac cagatttttag ccttaaaggc aagttattta gttttgctta ttctcataca 180
 ctgaacagtt gtttagcaaa tggct 205

<210> 33026
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 33026

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tgtttcaaag	ctttctacta	ttatttgctg	tctttccacc	ttaattgaaa	cgttccatcc	120
ttagcttctc	tggcgccatt	ttctatctgc	ccttaaaaca	actccatc		168

<210> 33027

<211> 413

<212> DNA

<213> Homo sapiens

<400> 33027

caagccgttt	ctctccaaca	tccagccaca	gtctccgctc	ctctccgact	gagtctgggg	60
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ttcaagcagg	aaaacgggat	agaagttctc	acgttgggcc	gcagttccag	gtttttggct	180
tgagggtggg	gttttcahya	gggacctgcc	cttttctgcc	tagaatttct	ctgcctcctg	240
tcccatcag	ttccttatct	ccatcatcct	aaactgggac	agtcttttct	gtkacatgat	300
tgcmragcac	tgtataactt	ccttttacag	cacttratca	gaatttggtt	ttagttattg	360
ttattgtcct	tccctcacta	gacaggaaac	tctgtcacag	ggatcgtgtc	tga	413

<210> 33028

<211> 342

<212> DNA

<213> Homo sapiens

<400> 33028

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ggaatccagt	ttccatggra	accaamagca	gttgcttgcc	tgctcagcaa	gttgraactg	120
aaggagtggc	tccacataaa	agavrrataa	cttgaggact	gtaccatgga	aaactaaatt	180
taaaaaacca	gttataacag	tgtttaattt	agataagttt	gagggaaaat	aatcagtagg	240
caagaggaac	atttttcctg	tagtagctag	agtgccttga	aaaaatgtgt	tggctatgtg	300
aaggaatatt	tcarctaaaa	tggaatggta	tgcttttcac	cc		342

<210> 33029

<211> 141

<212> DNA

<213> Homo sapiens

<400> 33029

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aataagtaaa	atgaaaggag	ggtgaaaggg	gaagggtatt	tgtaacctat	tccacctgca	120
atgactcttt	tttttttttt	t				141

<210> 33030

<211> 194

<212> DNA

<213> Homo sapiens

<400> 33030

cgttacattg	cctactcact	ctgacctcct	gtctctctct	gataaagacc	cttgtgatta	60
cattggcccc	actcaggtaa	tccaggatag	tctccccatc	ttgagatccc	taacatttgc	120
aaagtccctt	ttgccacata	ccataacact	aatgggttcc	aggaattaga	atgtgaatgt	180
ctttgggagg	ccat					194

<210> 33031

<211> 232
<212> DNA
<213> Homo sapiens

<400> 33031
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ggagtctgtg tctcatgttc agcttgcttg cagcatgcag gactgtgctt tccctttgga 120
tggaactgaa ctttgtatat ggaacactaa ggatccttct catcagcttc taatcctacg 180
aggacaccat cagccaatta ctgctatggc ttttggaat aaagtgaagc cc 232

<210> 33032
<211> 151
<212> DNA
<213> Homo sapiens

<400> 33032
aatcttgact tagagttgcc ttgtaatgta gcctcccagt gggttctcct tgcccactgc 60
ctagacacag ccgatttatc aagacaggag agtggcaata gagaaatagt ttaattcacg 120
cagagctggc tgtatgggag cccggagtgg g 151

<210> 33033
<211> 184
<212> DNA
<213> Homo sapiens

<400> 33033
cactcctctt ctttccttta acaaataaac ttttagcact tctgtcttca aggaaaaaca 60
tttgtttgga attgargggg actcgagtc cgtttatagt ttgggacrat taataggaaa 120
atccccagtt gcattcaaat ratagtgttg atgttgaggg cactgactca ttcagcatgt 180
ctga 184

<210> 33034
<211> 130
<212> DNA
<213> Homo sapiens

<400> 33034
acggagtctt gctctgtcac ccaggctgga gtggtgcagt ggcacagtcc cggctcactg 60
cactcctctg ctcttaggtt caggggmttc tcttgctcgc gcctcccag tagctgagat 120
tgcaggcacc 130

<210> 33035
<211> 383
<212> DNA
<213> Homo sapiens

<400> 33035
tagtgggatg tagaaagtgt tttggaaaga tgaactggaa acagttgaca agggaggaag 60
tctttgcaat atcaaaagat ctgagagcac cagtgcattg gaaatgggga tccaaggatc 120
aaaaagagga caacttgcta ctttctaatt taagccaaga tttgcttcct ttgtgctttg 180
cggaggggaaa ggtaatgaag ggtagtgtga agcagacagg ctcttcatgc tttctcttaa 240
acagggcagc ctttttctaa caccctcatt taataattga gatatgggtg ttcagaaagg 300
gaaaatgaca tagttaccag agtttctaag ctttgccaac tatgcagttt agtttgagaa 360
gagatgactc actggtaaag aat 383

<210> 33036
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 33036
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 tttcttagat aaatgcaggc atactattga cwctgtccag cccctagttt ttttcatttg 240
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 cttatctggc atgggattac catcatacca tgggccccaa acctatcttt aggggttgat 360
 tgggttataga aaacttttct ctaccagag cttttggcag a 401

<210> 33037
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 33037
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 gagcagtaac tactcatctt gagagtgatt gcatttattt cataggtaag taatcttggc 180
 catagctaata acacttatta ttt 203

<210> 33038
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 33038
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 ttagggcaga gattaatgcc caccagaaaag gtaactttga tgagggtagc aagcatgctt 120
 tcaactgaaa gtattttttt ttctcttttt caagattctc ataattataa cccataaaac 180
 taagttagac ttgtttctta tgtgcattta tgatttaatt aacgagagta cactttgtat 240
 gacaaaatgc aattttaagg taaacactat ggagaataat ttcttttctt agtgaaatgg 300
 tgcacgttat attttatttt gttttatttc tagggataat gacacagc 348

<210> 33039
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 33039
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 atctctcagc atttgcttgt ctataaagga ttttatttct ctttcactta tgaagcttag 180
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 tgggcttccc tttttgggta acctgacntt tctctctggc tgcccttaac actttttcct 360
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 atcttagtgg cgt 433

<210> 33040
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 33040
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 gtaagttaca agttcttatt tgtgctggtt tctgttccat tggcaattaa aattttggta 180
 agttgaataa aagatctttc taaaaagggg ctc 213

<210> 33041
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 33041
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 aggctgccag taaaaatact agatgtggcc ggatgtggta gctcatgcct gtgatcccag 120
 cagtttggga ggacaaggca ggtggattgc ttgaaccag gagtttgaga ccagcctggg 180
 caacacggca aaccccatct ctacaaaaat acaaaaacaa aacacaaaaa ttagccaggt 240
 gtggttgtgt gcacctgtag taccagctac ttgggaggtt gaggcaggag gatcacctga 300
 gccacaggag ttaaggctat agtgagctgt gattggggca ctgcactcca gcctgggtaa 360
 ca 362

<210> 33042
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 33042
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 ctaccttggg gccacaatat ttgaaaacc tagagttata caaataagta attacagatg 180
 gcaaccattt ttttactgct tttatcagcc acatagtggg gaatcactga gaagagatat 240
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 ttggtamgtg tgttctcttg ttaacagttc tcttgtatca tatcttaggc tggaatgggt 360
 gcttattcaa tatatga 377

<210> 33043
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 33043
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<210> 33044
 <211> 316
 <212> DNA
 <213> Homo sapiens

004220" 666E1560

<400> 33044
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 tgcatttctg gtggatgtct gtggtatatg gctatatgaa tacacggctg tgcacgcttt 240
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 acataacccc ttaacc 316

<210> 33045
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 33045
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 ctgcctgtac agcctgagga agtggttagtc aattaaacct cttttttcat aaatcatccc 360

<210> 33046
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 33046
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 tacacaaatc tgcggttttg gaattaatga aacaagattc atctatttaa agaaatgttg 180
 gtgttctaata acaaagcatt attttactt agagaaaatt acttacttgc tcccttctgt 240
 attgtaa 247

<210> 33047
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 33047
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 aaaagaaact tgccttaagc ttatccttcc acttttgac agactttaat taaggaaaac 180
 acctgtcaaa tgtcacaccc tttaagggaa agcattagga ccaagggtgtt attctgtgga 240
 attaaatttt gtatcctttg gaacattttt ggaaaagtgt tgtggtggtt caggatttgt 300
 taactccata tttaaatatg ttttagatta gagaatgcc ct 342

<210> 33048
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 33048
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 ctgactttcc agttctaaac cattctaatt gctgtagaga gaactaacct ttgttgagac 120

tggttgagtga	tggtatgtttt	acacacttgc	tttcccagaa	ttcccacctc	tgagatcgt	180
aggtgtggga	gctcagaggg	tggggagtgg	actgtcccca	tcacacagca	agagaggggc	240
ga						242

<210> 33049
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 <212> DNA
 <213> Homo sapiens

<400> 33049						
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tcaaagccaa	agtgggggt					139

<210> 33050
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 <212> DNA
 <213> Homo sapiens

<400> 33050						
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<210> 33051
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 <212> DNA
 <213> Homo sapiens

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gtggcctgta	gccccattc	tccacatttg	gaggggtgtg	ggtggcagac	cagggctttg	120
aagcggacct	gcagatttcc	ctcaaatcca	gctaaggcct	gcgctggaag	cagaaactga	180
gttctcttgg	cctgccgcga	ggaaacccgc	gtcctgcccc	cacccaaggt	gggtatctgg	240
gatccctaca	caccgc					256

<210> 33052
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 33052						
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agsgggagt	gtgtcasttc	taggccacag	gaattcgtgg	tctggcccca	gaggtgcggg	180
gtttttggcc	gggaagtmg	gcagaagtct	gcagcgtgca	actcgcagcg	gggcgtgtgt	240
gtgcgtgtgt	gcgcgcgcgt	gtgcatgttt	ccggccccgg	gtcgcgtgtg	tggtctgtagm	300
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<210> 33053
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 33053

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tatggctaaa taatattcca tgtgtgaata cgcacatttt gtttatccac atctgggaag	180
gttccactct tggaactaat atggataatg ttgctgtgaa caccatgcag gtttttgcag	240
gaatatacgt tggtatttct cttggatttg ctagctgatt tagcatgttt actaacatgc	300
catttttagtt gtaaccacca ttctttcaca cttgggaact ggttatccct grctcaggat	360
gcctcgtc	368

<210> 33054

<211> 139

<212> DNA

<213> Homo sapiens

<400> 33054

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ggcagtggca ctctggggac agaaggcccc tccccacagc atcactgcca tcatgatcac	120
tgatgaccag cgaacgata	139

<210> 33055

<211> 301

<212> DNA

<213> Homo sapiens

<400> 33055

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aatgtgaatt gctactgttt gacagatttt tgggattcct tctgttttgt gcagtcctta	120
ataatatcgt gctgcaaggc tgtgaataat ttacaaactg gatatttcct atttcaataa	180
ttgagtgtta tctcttctgt atgatttagt gtccagatga atttaattta aaataaatgg	240
atttaaatga caatgtaaat tagtagtcaa aaaaccatt taattctttt cccccactgt	300
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<210> 33056

<211> 159

<212> DNA

<213> Homo sapiens

<400> 33056

ccttttcaga ttgttcattg ccagtatata gaaatacaac tgattttgtt atttttatac	60
cctggaactt tgctaaattt atttaatagc tctagtagtt tgtagatgtg agtkatttag	120
ggttttcttg atataagatc atgtcattgg ccagctgcg	159

<210> 33057

<211> 260

<212> DNA

<213> Homo sapiens

<400> 33057

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gtacctctct ggctgcaaaa ttgccagggc cttcacagtt tgattccatt tctcagctcc	120
aagcattagg taaaccacc aagcaatcct agcctgtgat ggcgtttgac gtcagctgct	180
tcttttgggt ggtgctgttt tctgccggct gtaaagtcac cacctcctgg gatcagatgt	240
gcattgagaa agaagccaca	260

<210> 33058
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 33058
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 ctttggttac caactctgcc ttttacttcc tgcataattg tatataattt tacttattca 120
 gaagttttgt acattttaat ttttattggg aaacaggggt atatataatt tttccttggtg 180
 gagacaggct cttgctgtgt tggcctggct ggtcttaaat gcctcacctc aagcgatttt 240
 gccttggcct cccaaagtgc tgagtgtatg ggtgtgagcc accacacctg tctagagtta 300
 taatttcagt cttggaatta ttttctaaag agggtagaga agagcataac agggataaat 360
 aatgtaatag gcaacactga ttgattattc a 391

<210> 33059
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 33059
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 agtcccttgt ggagccttct gaccggcttg atctgaacag gttaccccct gcacctgaag 180
 catcacgggc agcctgggct attttttttt ttga 214

<210> 33060
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 33060
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 cacacacaac atacga 76

<210> 33061
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 33061
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 catttttctc tgggtgaacc attatttgtg actatgttga agttagattt cttccctaaa 120
 agtggccttg ctttcttgtt gattcttggg ttaaataatta ttgagcttaa atagtagttg 180
 atgttttact gagaagtgtg ctctgtgatg gtgagatgtt tgaactgtag gagtgtggga 240
 gaagtgggat ccttaacaga gggaacacta rttattattt gctttctgtc atctggaagg 300
 tatt 304

<210> 33062
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 33062
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aaccatagcg gcgagcgtgg ggcggagtgt ggctcggtag tcctctgcgt gccctcctgg 120
gagctgggtg ctgtgagtcc t 141

<210> 33063
<211> 238
<212> DNA
<213> Homo sapiens

<400> 33063
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ccggccttgc cgtttgaaga cctggatcct tgtccctgat gagccaccac atatgggaat 120
ggccttggga aaccacagtg attgttctca gcctgcttct tcgtctgagc agatgaagac 180
gtcatttttt cttatccagt ttgaggatcc arttagatac tgcatatgaa tgcccact 238

<210> 33064
<211> 366
<212> DNA
<213> Homo sapiens

<400> 33064
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atcccatcta tgaactaagg atttaaaaag cacgttttct ccctaagtt ttcttcacct 120
ttctgccagc ttcattgctgt taccattctg gggtagagca agtgccacaa gatgaaagca 180
agcttggtgc atgaatccca catgcaacag tgccactcac caccagttac atacactcat 240
gaccgattgt tttacahtaa caagaagtac atttcttttag tatttgatcc attatgtatt 300
tttagagttc tttttcatag tagttgagct actctatcac atgtcaagaa cagwaggctc 360
tgtcaa 366

<210> 33065
<211> 229
<212> DNA
<213> Homo sapiens

<400> 33065
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agccagtacc aacgtatgct gagcacgctg tctcaatgtg aattttcaaa tgggcaaaac 120
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aatagratgt agcmtagctg gagcacatga aaaaattgct gaggcgaaa 229

<210> 33066
<211> 168
<212> DNA
<213> Homo sapiens

<400> 33066
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kagcgaggag gcttccccgt aagggcgggc ttcgagggtc gcgtttggaa ggccttacga 120
ggggcccgtt ggaagggcgg tgaagggcgg gctaatacggg aggcggct 168

<210> 33067
<211> 137
<212> DNA
<213> Homo sapiens

<400> 33067
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 acagtactgt gcaggtcaaa tgacctaaag tatatgaaag ttcattgtaa actgtaaaat 120
 gcaatgcaaa aaccaca 137

<210> 33068
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 33068
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 ctccctctccc cacacctttc tggctccagg agtccttgga aacctctaaa agacccagag 120
 gtccttgtgc catcccacga cttggcctcc atctgcacct cacctgacag cccagatttc 180
 tcaactgagc ccgcccacca ctgtgactgc ctctggcata cagataccct ccgacctgct 240
 ccagcagtaa caatgataac cccta 266

<210> 33069
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 33069
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 cacctccaaa svgatgatgg gttgtgggga gtcagagctg aagtcggcgg acggggaaga 120
 agccgcggcg gtcccggggc ccccccgga gccccaagty ccgcaactyc gagcccc 177

<210> 33070
 <211> 219
 <212> DNA
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<400> 33070
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 ggtgccacc accatgcccg gctagttttt tttttttt 219

<210> 33071
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 33071
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 aacctaataca ccagaagtaa tccatgtcac agaattgaaa tctaatactc ctgttttctc 120
 tgcattctgc tgcgtgtacc tattgccctg agaatagtac cccatatcta gtagccccc 180
 ataaatatat atcaaatgaa ttactatgta tttcaaaaag gaatttttga aatacatatg 240
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<210> 33072
 <211> 70
 <212> DNA

<213> Homo sapiens

<400> 33072

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aatctgctgc 70

<210> 33073

<211> 193

<212> DNA

<213> Homo sapiens

<400> 33073

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gtctgacatg tgatgggaga atccattcac atttaattt acaactgata taccgaactt 180
ttttccacca gca 193

<210> 33074

<211> 259

<212> DNA

<213> Homo sapiens

<400> 33074

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gtttttgttc tgcttrtgga ggggttccttg agaatttggc cctttccctg ttttataagg 180
ggacaaataa agatgagata gggaagtggg ggtaggcatt gcctttgttc atgggacctt 240
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<210> 33075

<211> 262

<212> DNA

<213> Homo sapiens

<400> 33075

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cattttgaac aactaagtag tacgagtaaa ccccccaagg actgagctcc gcttgatctt 180
acagtcctcc atgaactctg ccagagtact gatgcagcht cacaggagat actatttaga 240
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<210> 33076

<211> 485

<212> DNA

<213> Homo sapiens

<400> 33076

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ttcttcaagy cttcctacat ccagcaagga actcaggtct tttcaatgag tgcagtcagc 480
tacca 485

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<212> DNA
<213> Homo sapiens

<400> 33077
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caacctaaca tctcaactaa aagaactgga aatgaagag caaataaacc ccaaagctag 180
caaaagatca agaaataacc aagaatagag c 211

<210> 33078
<211> 221
<212> DNA
<213> Homo sapiens

<400> 33078
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gcttttctgg ggggcttttg ggggcttttc agaactata ggctgtctt yctttagtagca 180
gaaaacttac ccaacagatg ctgtttagag agaatgcctt a 221

<210> 33079
<211> 133
<212> DNA
<213> Homo sapiens

<400> 33079
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ccacctccg ggttcacgcc atttctctgc ctcagmctc cccagggagc tgggmctaca 120
kcgcacacc acc 133

<210> 33080
<211> 131
<212> DNA
<213> Homo sapiens

<400> 33080
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gacagctcaa aatactacc ctttctccgc gcaagatctg gggcgctgg ggacagaaag 120
gccaaagaca g 131

<210> 33081
<211> 413
<212> DNA
<213> Homo sapiens

<400> 33081
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tgcagtggca cgatctcagc tactgcaag cctgcctct caggttcaag tgattctcct 120
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cgggcccaga	atatgtgttg	ttatttatga	ctggattats	hagaatcagg	agaatgcatt	360
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<210> 33082

<211> 446

<212> DNA

<213> Homo sapiens

<400> 33082

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tcaagagtca	gagcagttag	ctcagaggcc	cttctcactg	agacagcaac	atttaaacca	180
aaccagagga	agtatttgtg	gaactcactg	cctcagtttg	ggtaaaggat	gagcagacaa	240
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gttaagtgtc	ctctggattt	gagttgaaga	gcatccattt	gagttgaagg	ccacagggca	360
caatgagctc	tcccttctac	caccagaaaag	tccctgggtca	ggtctcaggt	agtgcggtgt	420
ggctcagctg	ggtttttaat	tagcgc				446

<210> 33083

<211> 124

<212> DNA

<213> Homo sapiens

<400> 33083

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atgttgacca	ggatggagct	gggccttgga	gagtggggaa	ggcaggcagt	aacacagcag	120
gctg						124

<210> 33084

<211> 167

<212> DNA

<213> Homo sapiens

<400> 33084

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ggtgatttct	tcatttgata	tggtgatata	ctttagtgtc	ttgtgcctgc	aaatttcaag	120
acaccttcat	ctaaatatat	tcaagactgc	atgtcatcaa	gcacctt		167

<210> 33085

<211> 95

<212> DNA

<213> Homo sapiens

<400> 33085

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<210> 33086

<211> 135

<212> DNA

<213> Homo sapiens

<400> 33086
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 tgtcacccaa gcgrr 135

<210> 33087
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 33087
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 ccaaattggct gcgctcccat ggaaagacag agggcgctca gccaccttac cagggtgaac 120
 accaccctgt gccgtggaca tcgcatctta ggaatgagga agcaaatttg gaaaagtaaa 180
 tgacctacat cagacagcat ggacacgaag kcggttaaat tcccacatgc aactcc 236

<210> 33088
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 33088
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 ttttaattaac atatagttta cagatctata caagatgtga ttgtatttag agcatttgaa 180
 gtactctttt tctaattata tgaaaagcat ataatttctg cctttttatt ctttaactca 240
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 taatgacctat tcagaaataa agcaaaaagc a 331

<210> 33089
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 <212> DNA
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<400> 33089
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 ggatgtgggg cctgaagagc ctttcatccc tctgcgagtc ggcggtgagc cccggcccaa 240
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<210> 33090
 <211> 464
 <212> DNA
 <213> Homo sapiens

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 tcatatgaac agctagtdaa taacagcaga gttctcactc agtgctcagt acttaatttt 180
 ccactgcacc acaactgtct taactaaatg tgctgtattt ttcttttaaaa gtttaagagtt 240
 ctatttggtg ttttcaggha tatacgtgaa aagacatgcc atgttttggt aaataccatc 300

agagtttgtgt aaaggcgtgt actaagtgca atcttaattt gtggaaataa tcttcattta 360
 cccctcctaa aactacactc agtataacac tttcccataa aggtgtgtgc agwaaaaatg 420
 twatattact ccaacactgg caggagcaca gcacagcagc cttta 464

<210> 33091
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 33091
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 ctttgaggca agcattgtta ttgataaggt ttttgcataa gtttaatttyc taatctgaag 120
 tgatagtctt ttgggagagg gaggagctct ttattgaaag taaggtttta attttcatgc 180
 tattgacatg catagtctat tctggattct ttgggaaggt atgtatatca agaaagtgga 240
 taggcgggttc cttctttgct aacgctgggt tcgaggctgg ggatggagggt ggtgccactg 300
 acatggagac aggtctgaga gcctccccag ggtaggac 338

<210> 33092
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 33092
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 aatctcagct cactgcaacg tctgcctccc gggttgaagt gattctcctg cctcagcctc 240
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<210> 33093
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 33093
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 ctcccaaagt gctgggatta caggcgtgag ccaactgtgc tggacgacct gagcattttc 180
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<212> DNA
<213> Homo sapiens

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tgggccgaac caggtcttct ccggtttttc ctcataacca tcacagtgcc aggtgtatag 180
ttaagagttg ataaatatat nnnttccac agtggttctg gaggttaacca aagatgcaga 240
tcctcctaga taccaggcat tgttcagtgc tgtggtgact agaaacctta gtaagataca 300
acccttcttt ttgagtcata cttttatttc tgtatgaagt tgaaaccag gagcctaaat 360
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<212> DNA
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ggaaaactaa cggttgtgtc cagttcataa aatgtttgtg gcaaat 166

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<212> DNA
<213> Homo sapiens

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ccccacgraa atcagattgt tttatttagg ataacagggt tatatatcca ttccatttgt 180
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<211> 70
<212> DNA
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acacacacac 70

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<212> DNA
<213> Homo sapiens

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ggaaagaaaag ctgagaacct tgagaccgga gtgtgagggg ccaacgggga agggcgctag 180
aattttaaac taaagtaggg acccga 206

<210> 33100
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 <212> DNA
 <213> Homo sapiens

<400> 33100
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<210> 33101
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 33101
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 gatttacccc cagatacagc tggctgaaat aacatcagag aagcacaaaa tccacgagca 180
 cctgaaaacc tctgcggaac agcaccagcg tacgctaagt gcataccagc agagagtgc 240
 agcactacag gaagagtgcc gtgctgccaa gggaacatct ggaaatgctg attgaccagc 300
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<210> 33102
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 33102
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 aatgtacatt aacttattta tgcctagtgt tccattaatg gracsgctaa gcactctggga 120
 gttctttata tctactgtc aaggtcatcg ccaaggctg atttttcacc ctcaaaaaat 180
 tgcaacctta gacataaata caggagtct ta 212

<210> 33103
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 33103
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<210> 33104
 <211> 347
 <212> DNA
 <213> Homo sapiens

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actgtagtca ccagcatcct gggagtgtga tttataggtg gagggacttg gtgctcttga 300
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<212> DNA
<213> Homo sapiens

<400> 33105
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<210> 33106
<211> 335
<212> DNA
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aagttagaaa agatcttttg tattacaagt tgaggagcta aaacttaagc tgtaagcag 180
tatagcagta tatagtacct ggatgattaa aagcacaagc tctggagtca gactgcctgg 240
gtttgaatcc tagctctact acttaatacc ttcttgccat ggacaagata cttaacatct 300
ccaagcctta attttcttat ctgtaaagta gagct 335

<210> 33107
<211> 290
<212> DNA
<213> Homo sapiens

<400> 33107
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atttctatca acatagatta gttttccttg ctcttgaact tgatacaaat ggaatcatgc 180
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<210> 33108
<211> 241
<212> DNA
<213> Homo sapiens

<400> 33108
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gttgattgcc cttggttttc agcagagttt gcacaaagag aaatcaacac acccaggata 180
gcatgcctta gtactccaaa cagattctga gaagcataag ggtcaaccat aaacacacaa 240
a 241

<210> 33109
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<212> DNA
<213> Homo sapiens

<400> 33109
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cttcctagtg ggtgcgcat tatgggagat tgtatctatc tatataatct tctgtaattt 180
agcatagaga agaaaactgg gtgatgagtt gccagctaatt ttatataaat gagatatggg 240
aaaagatcta accccttcct aaatccccg a 271

<210> 33110
<211> 179
<212> DNA
<213> Homo sapiens

<400> 33110
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catatttcac caataaagggt aggatagtat ctatttatta ttgttatgaa ttacatatta 120
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<210> 33111
<211> 277
<212> DNA
<213> Homo sapiens

<400> 33111
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tctgaggggc aggcagggag gggagaggca ctggggaaac tgcaggggga tgtggttggtg 180
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<210> 33112
<211> 398
<212> DNA
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<400> 33112
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agcctgaagc ctccaagttc tgtagttcag gaaccttgct tgttgtagca gggataaaac 120
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gtcactcttc atcagagtca ccggacctat gcaattacat gggctccata tcaaattggca 300
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cccatgtggt gcaatgcaaa ctgctgtaat tcaagaga 398

<210> 33113
<211> 352
<212> DNA
<213> Homo sapiens

<400> 33113
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gagggggtgc cggcaccatg ggattgagcg cccgctacgg accccagttc accctgcagc 120
acgtgcccga ctaccgccag aatgtctaca tcccaggcag caatgccaca ctgaccaacg 180
cagctggcaa gcgggatggc aaggccccag caggtggcaa tggcaacaag aagaagtcgg 240

gcaagaagga gaagaagtaa catggaggcc aggccaagag ccacagggcg gcctctcccc 300
aaccagccca gcttctcctt acctgcaccc aggcctcaga gtttcagggc tt 352

<210> 33114
<211> 366
<212> DNA
<213> Homo sapiens

<400> 33114
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tcccagagtgt ggctgtggaa gccagtgggg gcatcaccct ggacaacctc ccccagttct 300
gcgggccgca catagacgtc atctccatgg ggatgctgac ccaggcggcc ccagcccttg 360
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<211> 148
<212> DNA
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<400> 33115
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cctaaagata gttaaaatag ccaacgct 148

<210> 33116
<211> 136
<212> DNA
<213> Homo sapiens

<400> 33116
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actgcctgtg cgccca 136

<210> 33117
<211> 373
<212> DNA
<213> Homo sapiens

<400> 33117
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gcctgtagtc ccagctgctt gggaggctgg ggcagggaga attgcttgag cccgggaggc 300
acaggttgctg gtgagccggg attgcgccat tgcactccag cctgggtggc tgtataaaag 360
cctgtataaa att 373

<210> 33118
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<213> Homo sapiens

<400> 33118

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gtaagtactc	aaaaagtggg	gaaaatgaac	tcttttagggc	tctgatctct	ttgatacatc	180
tattttatta	tatgggtctat	aaagattcat	ttaaatattt	taacatctta	atcttattta	240
aaatataatt	cttatcaatg	atagcatgta	ttactgttac	accttggatc	agggagaacc	300
atacaaaccg	cactgaggag	aagaaaggat	tctggggcaa	atatggtctc	atcccaaccc	360
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<210> 33119

<211> 196

<212> DNA

<213> Homo sapiens

<400> 33119

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ttgaccatgt	tcgtgaatta	cagatgcaac	atgcattggg	agaatcgtgt	gatgggtctt	120
tgtgatactt	aattttttaca	tatcccagtc	tctgtatgta	tctgcataga	caaagaaaaa	180
acaaactcct	gcctgc					196

<210> 33120

<211> 156

<212> DNA

<213> Homo sapiens

<400> 33120

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accagttggg	gttggtttct	aatactaatt	aataawtwag	ccttgaagcc	tgatcaatct	120
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<210> 33121

<211> 74

<212> DNA

<213> Homo sapiens

<400> 33121

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<210> 33122

<211> 316

<212> DNA

<213> Homo sapiens

<400> 33122

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tctccttggc	ttckctccac	scgcgttgcy	tcttctctag	tctttccctg	gccttggcat	180
tagtctcctt	accctgtgcc	ctgtcccaat	gtgtgcccgg	gctttgctcc	ttgcgtgcag	240
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<210> 33123
 <211> 80
 <212> DNA
 <213> Homo sapiens

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 gggtcggggcg ggaggacggc 80

<210> 33124
 <211> 340
 <212> DNA
 <213> Homo sapiens

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 aacatgcatt ttttatttat aaagcatgac ttgttcattg tcaattcatg ttagcttaat 120
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 gottccatca ttctgtttta tatcttcaag taatgcttaa gtttgcaaat gctcttttaa 240
 cacattctcc atatgcagcc tgcccagcac tgcacacaat agacctgtta cttccccctc 300
 acgagcactc ctaatatattc atgtgctcat ccaattgact 340

<210> 33125
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 33125
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 cttatttccc tttcttatac acacctgaat aaaattgatg tgcattgttt agggatcaat 180
 tacctaactg ttctttggtc tatttatgta taagaatgct ttttaaagca catgtctcat 240
 tttaaatgac gcacaaactg aagatgttaa tcnaatttaa gagtaataca atgaaaaaa 299

<210> 33126
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 33126
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<210> 33127
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 33127
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 agtgcagtgg cgcaatctcg gctcactgca acctccgctt cctgggttca agcgattctc 120
 ctgcctcagc ctcccaagta gctgggatta cagatgcgcy ccaccacgcc tggcaaattt 180
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gcaccggccc ttgagttttg agaggagcag gagtagaggg atctcatttc ttgacttacc 360
 aaacaagaac cagcttttcta tcttgctagc ttctataagg martaaatgt gagagttagg 420
 catatatattg cactatatta aaagctattt 450

<210> 33128
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 33128
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 agcagtcagt acagctctta gggatatgctt ct 452

<210> 33129
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 33129
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 tttctctcct tcatagcttt tcttttctcg gacttgctcc ttttgagttg cttttgcgtt 180
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 tatatagttt cactttgtat aaaagtttag acct 274

<210> 33130
 <211> 200
 <212> DNA
 <213> Homo sapiens

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 ttgaccttgt gacaatacac cttccccacc cttgagaagg tgctttgtaa tattctcccc 180
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<210> 33131
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 33131
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 acattacttc tcagggaac cagtgtctaat gaagttttgt gttactgttg gcctattatg 180
 cttcccccta ctttcctttc agtttgttct gatattttgcc ttctaaaata gtacagaaca 240
 aattttgtct tctttcacct gaccgcct 269

<210> 33132
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 33132
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 tgatgattac aaaagaaagg aatgggtttt ttgtgtgctg acatttsbcc caccacaacac 120
 cgcctccgca tcsnnngatg ggtctcctrc ctcagggaca ggatctccac acccttgaag 180
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 ccttcaattc cctccccg cggggtgccg tggctcgcgc ctgtaatccc aacactttgg 360
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<210> 33133
 <211> 281
 <212> DNA
 <213> Homo sapiens

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 catagtgtgt gtgaccccat tggtcaccag agcaactgca tgtcttcagg ctgggtatta 180
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<210> 33134
 <211> 59
 <212> DNA
 <213> Homo sapiens

<400> 33134
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<210> 33135
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 33135
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 gtggatgtgc caagggtcca accccatat tctcagact cttctattgt cattctttag 180
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<210> 33136
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 33136
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 ggataagtgt cacgtttcct ctcacactag actaacagaa tcaagcgtgc atgattttaa 180

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<400> 33137
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 caactactaa gacaaagctt taacaaagtt tatagaatac tgaaactcgt aacaattacc 120
 tctctacgtg atgctgtaag gaatcttgct aatttggttag gaagaggaag catttaggaa 180
 agggtttagt atctaccaa agtacttgac ctcaagtaac caatagtaat gcaaacttgc 240
 tttaaaggaa ccaaaggcat tgccaagtat ttgccaaaag gaggcacttt ttatttaaaa 300
 tttgagacta atgagatctc aaaaatcagc ccca 334

<210> 33138
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 33138
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 gtgctcctgt attgggtgca tatatatatta ggatagtyag ctcttcttgt tgaattaatc 180
 gctttaccat tatgtaattg ccttctttgt ctcttttsat ctttggttgg ttamagtctg 240
 tyttatcaga gactaggatt gcmngccctg ccta 274

<210> 33139
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 <212> DNA
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<400> 33139
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 tttggataca tagctcacta ctttatggct tgtg 94

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 <211> 227
 <212> DNA
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<400> 33140
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 aactctgatg aacagctata attgacagtt actacttcta aaccagtact gtcaaataga 180
 aatataatac aagctacatg ctatttaaaa ttttctattg gccacat 227

<210> 33141
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 33141
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 caatagtata tgtattatta aacacatcct gagcctttgg aaggtaaatt tggttttctt 120
 ttcttttttt ttttt 135

<210> 33142
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 33142
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 aaatgaagga ctccggagag ctgcagggtg atctggacca aatccagaac ccaacgcctt 120
 actccctcct ggggagagag ctgggcagag acttggggcg ggcagtgagg tggggatagg 180
 tgagcagcac tcgtggtgag tggccccagt gtgatttagg aggggtgcag tgtgggatcc 240
 caggga 247

<210> 33143
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 33143
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<210> 33144
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 33144
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 cacatctgtg taactctgta agttttgsc tttccatkat acrttttggtc cwtkaraaka 120
 ttttaataatt kataagctct at 142

<210> 33145
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 33145
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 caccatttga gtagtatatt taattctgat ttckckattg tcywrgcctt agaaacagta 120
 tccctggatg gtagatcctg ttgggatgtt gtatttgaaa gagatatttt tggatgtgac 180
 agttataaag gtagttcagt gaacattgtt cacctaggtg tattctgttt tttgttacta 240
 ttcttggttg taaagtccat cagagttgag attttggtaa cagttttatg gggatga 297

<210> 33146
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 33146
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agtcctagct actcaggagg ttgagatggg aggattgctt gargcctggg agktsarggc 120
 tgcagtaagc atgattgtgc cactgcacta cagcctgggt gacagagtga gaccattatc 180
 tcacacacac acacacacac acacactgt 209

<210> 33147
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 33147
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 caaagatagg aggaagaaa rgaactctcc atagaatgta atttatagat gcgtgtatat 180
 gtatatatat ctatttatat gtaaataaggc atatatgaag atatatatat atagtctact 240
 ttttaaactc tgcagggg 258

<210> 33148
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 33148
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 tagaaaacat tcatgaattc acaaaaatat gttactatgg caggggaaca ttttgtacac 120
 atttaagtat ataaaaatac taaaatatgt aattttataa caaagtcacg gga 173

<210> 33149
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 33149
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 gtgagatggt gaactgaatg gtcttgctgc tcttccttcc ttcattaaca tgagaacaga 180
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<210> 33150
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 <212> DNA
 <213> Homo sapiens

<400> 33150
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 aggtggatgt agaagcgggc tccggcgctc cactctccct tccatatggg cttagcgtct 120
 gggtcactga gaacgacta 139

<210> 33151
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 33151
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gtataaattc caatgttttt atcctctttg gagttcactc agcttcttaa atataagttt 120
 ataccttatg gtcaaaatgg gaagttttca ggcatcattt tatttattca tttttccagc 180
 ccaatatcct ttctcttctt tttctgcatc ggcaata 217

<210> 33152
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 33152
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 cccacagtgg tgcccggcca gttcttcatt tttaaaacta ttttttttc tcttgttcct 120
 tgtgttttgg gtgtcatacc tatgaaatca ttgcttagtc caaggtcaag agatttatcc 180
 ctatgttttc ttttaagagt attatagttt tagattttgt atttaggtct gtcaaccatt 240
 tcggggttaac ttttgtgtag tatgaggtaa ggtacaactt cattcttttg caggtaatat 300
 gtttgtgcca gcaccatttg ttaaagacag tgttctctct ccactgt 347

<210> 33153
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 33153
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 ctataatttg tatctaaaat taggttttcc cttttaagtt gttaattttc tatggkttgt 120
 gctgcatgct ttcactttta ttagtactta cagccaaaga gatgggcaaa tgtctagaaa 180
 aattaatgtt ttgattcagg aatttgtgcc tagtgatggc ctccaataga gaattttcca 240
 gagagaatga agactcagtt tctaagttgg ggcaaattta gtttttgttt tggatttctt 300
 cttatattac agctattaaa abnntctctt aaaaaatgcc ggcac 345

<210> 33154
 <211> 397
 <212> DNA
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<400> 33154
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 tggccctgga cttgaccatc ttgtgtggca gtgagggact gatcctcacc aggactaaga 180
 ggagcctgag cccctcttgg taatagcagt aatgtggcta tgtaaggat gctgctcagt 240
 cattaaagag agggccataa cctccccctt ttgggccctt tatgcttgtt gttttaattt 300
 tcacttttaa atttagatga aatgattttg ctttttgtaa gaaccagcct gtctagcaga 360
 gtgcttcaaa gaaagatttt tttcatgcat gtgtgta 397

<210> 33155
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 33155
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 acccgggacc ccctggactg ttgggcctgc gctgttcttg taacabscca gaatctgctg 120
 gtggcygnvt tcaatcttct cctgctggtg ctggtgctag ggaccatctt gctacccgct 180
 gtcaccatgc tgggcttcgg ctctctctgc cactcttagg acttgaagcc cggcatcttc 240

cgacctgccc tgccccacc cctgcctgag cggagtccta gcatccctt gggagcagca 300
gca 303

<210> 33156
<211> 73
<212> DNA
<213> Homo sapiens

<400> 33156
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ttttttttt ttt 73

<210> 33157
<211> 136
<212> DNA
<213> Homo sapiens

<400> 33157
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gacgggcccc agaggaccca cgcctgagcc ccgtgcgact cgtggccttt gggctagaag 120
ccatggacgc cttcct 136

<210> 33158
<211> 272
<212> DNA
<213> Homo sapiens

<400> 33158
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ttaactgttg cttctgttcc aaatgaaagc ttcattgcaac catgagtgc gaggctgggc 120
atgaaggagg gtctgttagga aactggaatt gctgttctgt ggggagccag gcatccatgc 180
agaggcagaa actccagaac catttagctt taaccactcc cattcttgtt attagtactc 240
tggtcacact gtgatgcat gatgaccac ca 272

<210> 33159
<211> 186
<212> DNA
<213> Homo sapiens

<400> 33159
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ttattctctg gaggttggtg gatgaagggg taccctagg agatgtgaag tgtgggtttg 180
gttaag 186

<210> 33160
<211> 55
<212> DNA
<213> Homo sapiens

<400> 33160
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<210> 33161

<211> 169
 <212> DNA
 <213> Homo sapiens

<400> 33161
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 cccctctttt aaaattttta tttccatagg ctattkgggg aacagatggt gtttgtkac 120
 atgattaaat tcttttagtg taatttgtga gattctgggt caccatac 169

<210> 33162
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 33162
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 atgtcttagg aaatggaatg atgaagtga atggtcawtk attgtkabgt atttctcatc 120
 gttttacnns tgagaaaact aatttcatgg tattctgaag actagagatg attcaacaag 180
 tgacagaagc tgcagactta actgaggcct ctctgtctct cttttttttt tt 232

<210> 33163
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 33163
 ctctagaaaag atgaacaaag gttaatttaa acttacctaa gaagatgaga atcaaacaaa 60
 acagatatgc ttactctagt taaaaagara atwaattctc atgtcagacc cagaaat 117

<210> 33164
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 33164
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 gcaggagaat ggtgtgaacc tgtgagggtg agcttgagc gagccaagat cgcgccattg 120
 cactccaacc tggaca 136

<210> 33165
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 33165
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 tgccaccctc atctccagga ggcaatcact tacctacttt ctgtctttct gtatttgcct 120
 attctagaca atttattatt ctttctatct aactgtaagt atatgtcctt tgaccaacat 180
 ctcccccatc cttctctttc ccctaactc 209

<210> 33166
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 33166

actcgccaag gattcgacat cgggggttgtt ggtttaactt cccttttccc cagaggcgct	60
tcgctgtcag gccccaggat tgcacccggc tccgggtcct gcctaaactc ggcgatgggg	120
aagcatcgtc cccagcgccg ggaccaggag aagggggccg ccaggcaggg aggacagcg	180
ttcccgagga aggtttcgga gagtgaaga gaccggaggg gaggcggctg atgtccacgc	240
ccgagccaag actctcaaat ccactt	267

<210> 33167

<211> 183

<212> DNA

<213> Homo sapiens

<400> 33167

tacaaaatga tgatgtcacc tatattcatt gagaattatt tgactaccac atttttcccc	60
tgatggatag tcatctatca taacttgtgt ttgttttccct cctgagatca aacacttgg	120
gcttattcct gatgtatact ctgagaccag ctcttacctt ctgagtggca gctaccctc	180
ccc	183

<210> 33168

<211> 331

<212> DNA

<213> Homo sapiens

<400> 33168

ttatattact ttctaagccc agttaacctc agttctgggc cacatgactg gggctctctag	60
tcatttagta cagcaatgcc acttccattc ttcaaaaacc cctcagtggg cagctaggca	120
cgatggctct ctcttgtaat cccagtactt ttggaggctg aggtgggagg atcactgtag	180
gccgggagtt cgagaccagc ctgggaakca tggcgakacc gccctctac aaaraataat	240
tggttggtg tggwrgcgtg tgtcggtggg cctagstacc tgggargcag gacgatgatt	300
tgatttcagg agttcaaggc tgcagtgagc t	331

<210> 33169

<211> 71

<212> DNA

<213> Homo sapiens

<400> 33169

gtggaggggc gcacgccggw agcggcgagg gtakccatga cggcctccgt gctgcgaagt	60
atctcgctag c	71

<210> 33170

<211> 196

<212> DNA

<213> Homo sapiens

<400> 33170

taactctgag tctgtccaaa tgagttcact tccattttca aattttaagc aatcatat	60
ttataattata tattgtat	120
cttaatat	180
tgaccaagaa ttttatcggc attaat	196

<210> 33171

<211> 169

<212> DNA

<213> Homo sapiens

<400> 33171

catctaaaag agtcaacatg attatttcta ggmagaggca actgggttgta gaggaggagg	60
gaaaatgggg gactgctctt tttcctaaca aaactttag aaccaattga ctagaagcat	120
attcaagama aatatcaatg amaggmaggga aaaatgatac agtgggcaa	169

<210> 33172

<211> 61

<212> DNA

<213> Homo sapiens

<400> 33172

caatactgga acaaattattg tgggcatgtt gaactataaa caaagcaaag atagctcttt	60
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<210> 33173

<211> 207

<212> DNA

<213> Homo sapiens

<400> 33173

aggataaagg atttttttaa atttaatttt atttacttat tcatatatatt actttaagaa	60
ctttcgtttt aggttcagag gtacatgtgc aggtttgtta tatgggtaaa ctgcatgcca	120
cttggtttac gaattatttt gccacccagg taatacacat catacctgac acgtagattt	180
cccatactca tctctctccc accctcc	207

<210> 33174

<211> 152

<212> DNA

<213> Homo sapiens

<400> 33174

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gcacgcagca cagggcagta gtcggttgga gtaaacctga agagacatga tgagcttctg	120
ttaggcagtg gcaggaggga tgggggggag aa	152

<210> 33175

<211> 226

<212> DNA

<213> Homo sapiens

<400> 33175

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aggcctggag ctcacacttc tgagaggcat cgcaagcgag ggccttcacg ttactgagac	120
cccagccccg cacagaggct catggagctc gaagcacgca gggctggcct ctccagagct	180
agcagattcc ttctggacct gtaggggtgcc gccctagccc aaccgc	226

<210> 33176

<211> 299

<212> DNA

<213> Homo sapiens

<400> 33176

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gcaatcagat	atgcatttgc	cttagatgag	cagacagatg	actttgagtt	ctcttctttg	180
ttccgcatct	gtgaagataa	gccatcactt	tacatcacca	aagtgaaatt	cagcagaatt	240
gttttaggg	aaagatcttg	aggagtttcc	ttgtgggcat	attgtgaggg	aggtatgta	299

<210> 33177

<211> 130

<212> DNA

<213> Homo sapiens

<400> 33177

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ttatgtacat	acgtgaagag	ttaccaccag	tcttgccacc	tttgatagc	tctaacacca	120
tccccagcta						130

<210> 33178

<211> 326

<212> DNA

<213> Homo sapiens

<400> 33178

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tcacgtcaaa	ctatactaca	gggctacagt	aaccacagcc	acctggtact	ggtacaaaga	180
gacacacaga	ccaatgacac	aggataaaga	gccagamat	aagcctgcac	gcctatmacc	240
atctgatctt	cgacaaaact	gacaaaaacc	agcaatgggg	aaaggactcc	ttattcaata	300
aatgggtgctg	ggataactcg	ctagcc				326

<210> 33179

<211> 452

<212> DNA

<213> Homo sapiens

<400> 33179

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atthgtctta	aagcttatac	tgcaaagtat	taatagttaa	tatawcagat	tatagaactt	120
ttttgttctt	aagtttcttt	ggagaaaaaa	acacaaggac	ttttgaagg	gcatttctaa	180
ttaacccac	agccagcttc	cttgttacca	agaccctgga	tgggaatttg	ctatcactgg	240
ttggctgctg	ggcaccaggc	agctcgttgg	gctcacttgc	ctcgtgctat	accactccgg	300
agtgttcatt	tattcatgca	gcctaaaaag	tgtagtgggc	atcgagattt	gcttgggtgct	360
ctgggagaag	actaacatca	ataaaagwgc	cagycctatt	cattaggaat	ttacagactg	420
cttggaagag	gcgmcgcaa	agcagagtct	aa			452

<210> 33180

<211> 77

<212> DNA

<213> Homo sapiens

<400> 33180

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<210> 33181
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 33181
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 cagcactttg ggagtccaaa gtggaaggat tgcttgagcc cgggartttg ggaccagcct 120
 ggacaacata gtgagactcc atttctctaa aaaaraattt aaaaattggc tgggtgttgt 180
 ggcgcagtgc tgtggttcct attactctgg tggagactag agcaggagga tggctggagc 240
 tcagaagttc gagtctycag tgagctgtgt tcataccact gcactccagc ctggatggca 300
 gagcaa 306

<210> 33182
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 33182
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 gtaataatat aaatgttttag taatagctar actkktkgct tgtgtgggtc aaa 113

<210> 33183
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 33183
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 aaagcggtag aaatcagaca gaaatcatga racagcactt ccatgactta aggtgggaac 120
 cacagaacgg gtattaagca agggccccga ggccaagagg actggatttg gattccagct 180
 ccaccacttt gctgactgtg tgatctcagg gaagtcattg agccagtctg agctcggctg 240
 gttgaacgta aaatggagag gga 263

<210> 33184
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 33184
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 aactccaaga ctcaaagat cctcctgset tggcctcgca aagtgcttg attacagggtg 120
 taagccacca cacctggccc ttctctctc cattccaaca gtgaaaatcg tggctcccat 180
 catttcccag ccatttactt atgtgggtcag ttccagtaca tatgtggagc attatcaggg 240
 ttttgataac ctggacccc 259

<210> 33185
 <211> 71
 <212> DNA
 <213> Homo sapiens

<400> 33185
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 tcatttctat a 71

<210> 33186
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 33186
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 caccatttat tgaagagaca gtccttttgc cagtktatgt tcttggcaac tttgttgaaa 120
 atgcatttac tgtagatgta tggattcatt attgggttat ctattctgtt ccattgttct 180
 gtgtgtctgt ttttatgcca gtaccatgcc t 211

<210> 33187
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 33187
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 gagagaggtc cgatgtgaag atgtgcacac agatgtctgg aaaataagcc cagaaaaaat 120
 agtcttcata acccatatag gggaaagtgg aaaaaaactt gggcagagtt ctaacgtggg 180
 gtgtcatcac aagacacatg ccagrgagaa gccctaccag tgtaaagaat gtaggccagg 240
 cgcagtggca tcccagcact ttgggaggtc aaggcagggt gatcacgagg tcaggagatc 300
 gaaaccaccc tggctaacac ggt 323

<210> 33188
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 <213> Homo sapiens

<400> 33188
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<210> 33189
 <211> 79
 <212> DNA
 <213> Homo sapiens

<400> 33189
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 kcagctgttt cctatacat 79

<210> 33190
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 33190
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 gcgtccgcag ctc 73

<210> 33191
 <211> 256

<212> DNA
<213> Homo sapiens

<400> 33191
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tcagcagcga ctaaggggaat tccattggaa tttgccgggc gtgctctcac cccgcacggc 120
acccgcgccg tcagtcctcg gatcccatca cttcagcccg aagattgcaa ctttgagag 180
acgaagaaat agcatggcat gaaacatggc tcagttctat tacaaaagaa atgttaatgc 240
tccttataga gaccac 256

<210> 33192
<211> 172
<212> DNA
<213> Homo sapiens

<400> 33192
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taataggata gttttgtcca raaacccttc agatccacgg ttcagtctga gccatccagc 120
catagcaata aagtaaaaat taccacatgg tacaaatgtg tcaccgtcaa gc 172

<210> 33193
<211> 176
<212> DNA
<213> Homo sapiens

<400> 33193
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gttttgttat ttaatgaaag ggagttgccg actctcccca tagatgtcaa gcgcac 176

<210> 33194
<211> 116
<212> DNA
<213> Homo sapiens

<400> 33194
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<210> 33195
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<212> DNA
<213> Homo sapiens

<400> 33195
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attctggaag ctccctagaa tctcctggaa tgcttaatgg accttccag caccgaaatt 180
caagaattat gactcatcgg tcagcagaaa agaccctgct gggatcttg agcttgtgga 240
ggtggtcggc aatggaacct acggacaggt gtacaagggt agg 283

<210> 33196
<211> 132
<212> DNA

<213> Homo sapiens

<400> 33196

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acagttggaa	ga					132

<210> 33197

<211> 241

<212> DNA

<213> Homo sapiens

<400> 33197

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aagcaaagca	tggtggtggt	gaggggttgg	gggttggggc	taagaagttc	aaagtcacac	180
ctgagactca	gagcccatct	gatgctctca	tgctgtaaag	ctgcggtcca	aatacagggc	240
a						241

<210> 33198

<211> 324

<212> DNA

<213> Homo sapiens

<400> 33198

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gctcaccagc	tggtcccaaga	ccagactggg	caacatgggt	catcctcctc	taagattcca	180
ggaccatgat	catccctcta	ttgctacttc	ttagatcagc	ttgtaatgtc	catctcccc	240
accagactgc	gtctccagca	tctctgagtc	cccagggcct	ggcctggggc	ttgctacatg	300
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<210> 33199

<211> 219

<212> DNA

<213> Homo sapiens

<400> 33199

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cagcctgggg	cagaaatggc	tgcaagtggc	cgaggtctct	gcaargsttg	tggsccgcst	120
stcccttccc	ggcgtggaga	cgagataaca	cggaagccag	gggaggtctg	aagcctgagt	180
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<210> 33200

<211> 334

<212> DNA

<213> Homo sapiens

<400> 33200

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atctttggcc	agcagtgtca	gaaatatcaa	gaatcgtgtg	gaacatgaca	taattcttag	180
tcattttttc	ataaaattct	tgaaattata	ttttagtggt	cctgacttag	catgccta	240
aaatcccttt	gcattgtaag	rcagatacac	acctgagaca	ctgaagttag	actttcagaa	300

ttgcttttat tatttccttg aaatgaatcc ccca 334

<210> 33201
<211> 157
<212> DNA
<213> Homo sapiens

<400> 33201
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acaaatagaa actattgatt ttgtatgtt gatttcgtat cttgcaawtt kacctaaaat 120
gggttagcaa ttctaagagt tttttggtga aggcattc 157

<210> 33202
<211> 159
<212> DNA
<213> Homo sapiens

<400> 33202
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ggggtacaaa caagagttca gttgctgtga attctgccac tgtgcccagc tctgaagcct 120
cagctcttgc caaacagacc cgagacccat gtcagacc 159

<210> 33203
<211> 173
<212> DNA
<213> Homo sapiens

<400> 33203
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caaaatgggt tacaacacaaa agatgaaacc cagtgtctatt aacagctgta caattcttga 120
tgtgttcaac gtattgattt cattcttctt tctgaatgtt tgttcttgga acc 173

<210> 33204
<211> 325
<212> DNA
<213> Homo sapiens

<400> 33204
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agctcagcac actgtaggag tccccaaaaag tgaggagacc tctaagctga gtcctacagg 240
agaagcaaga atagaagcag ggcaaagatg ggggtcggcc catcattcct agacgaaagg 300
cagagtttga gaagtggggg ccagc 325

<210> 33205
<211> 169
<212> DNA
<213> Homo sapiens

<400> 33205
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atatcactca tcgtcaccta tgagtaatgt ttaatagcaa ggaaaatcta atttacagtc 120
aacattttatt gaatgctttc tttatgtaag cttgtatct gagattttt 169

<210> 33206
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 33206
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 tttggatttc atatacatta ctgaactgtg tgcaaggcaa tagttagcct tgatttttagc 180
 ccakagacag atggcagagc tatctctctc atagcttt 218

<210> 33207
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 33207
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 ggtgttggac ctatgcattc actagtacaa ttagtacaag gcctaaagga cttggtctgg 120
 ctccaatag agcagtaccg gaaggatggc cgc 153

<210> 33208
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 33208
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 atttattatt tttataattt amaataatcg ggmttttttg ggggcagaga aaaggtcttg 120
 ctctgtcacc caggctggag tacagtggca tgatcatagm tcaactgcagc cttgaactcc 180
 ttgtctcgag tgatcctccc acctcagctt cctaaaggcg tacgcacaac accctgmcaa 240
 caatagctat tttaaaaagt attttaa 267

<210> 33209
 <211> 58
 <212> DNA
 <213> Homo sapiens

<400> 33209
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<210> 33210
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 33210
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 tggcgcgatc tcggctcact gtaagctcca cctcccgggt tcatgccatt ctctgcctc 120
 agcctcccga gtagctggga ctacaggcgc ccaccacat gccagctaa tttttgtat 180
 ttttagtaga gacgggggtt caccatgtta gccaggatgg tctcgatctc ctgacctcgt 240
 gatccgcccc cctcggcctc ccaat 265

<210> 33211
<211> 102
<212> DNA
<213> Homo sapiens

<400> 33211
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tttgatgata gaggtttatt aattttgttt atccagacca cc 102

<210> 33212
<211> 214
<212> DNA
<213> Homo sapiens

<400> 33212
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tttaaaccac aaatcatgtc taatagttac cctcttccgt agtttttttt aaaactttgt 120
atttaaattt tgtatccaaa tgtatttcat tccaggttat aaattcggag tctaaagtga 180
cattccctct ctccccagc catataccga tgcc 214

<210> 33213
<211> 170
<212> DNA
<213> Homo sapiens

<400> 33213
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cactttcagg accttccttc ctcttgagcgt tggtctttta tctcctttac tagaggagat 120
aaatattttg catataatga agaaattttt ctagtatata acgcagacca 170

<210> 33214
<211> 167
<212> DNA
<213> Homo sapiens

<400> 33214
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gccgaggctc ccgacccgct tctgttttcg ttttctccac ccttcccctt agacgccgat 120
aaggacagc tcgtactgct tttgtgcgcc gtttctctc actcccc 167

<210> 33215
<211> 313
<212> DNA
<213> Homo sapiens

<400> 33215
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aatcctcctg cctcagcctc ctgagtagct gagactacag gcgtgcacca ccacggcctg 180
gcaatttttt gtatttttag tagagatttc accatgttgg ccatgctggc ctcgaactcc 240
tgacctcaag taatctgccc acctcaggct tccaaagtgc tgggattaca ggcgtgagcs 300
accacacccc tcc 313

<210> 33216

<211> 168
 <212> DNA
 <213> Homo sapiens

<400> 33216
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 tatggtgttt ttcattctat tctgactcat ttgtmataaa acctccac 168

<210> 33217
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 33217
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 ccatctctgc agaagccatt tcaggagtac ctggaggctc aacggcagaa gcttcaccac 120
 aaaagcgaat tgggcacacc acaggtaa 148

<210> 33218
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 33218
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 tcgacacgag ttccamgcgt taggagtaaa cactgcga 98

<210> 33219
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 33219
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 acttcccatc accctcagaa tgaaatccca gcccggggcc ccatgcagcc ttgcttctcg 120
 ccagcctcag ccctccagc cctgggtctc ttagattgca aggcttggga ttctgtcccc 180
 ttagatcctt gcaggagtac gggggagggg ggcccttctt gtcactcagc tctcatccca 240

<210> 33220
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 33220
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 attccaacat gtttttacta catgatctga ccactttcct tcagtttcca catattcaaa 180
 atgggaaagt acccattcca gatgtagggt ttgagaaata ttgagttaca gtgcttaaata 240
 gagtgcctgg cacactaata aaatttgtcc atttttagtta ttattgttaa tgaaattgcc 300
 agtgttttga gaatatctaa tctcatgctg ttatctctta aaatctctaa ctacattatc 360
 ttttacttta aankaaaacc accagaga 388

<210> 33221

<211> 246
 <212> DNA
 <213> Homo sapiens

<400> 33221
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 ataccttagg ttaaggccac ataaatattt atcaggtgcc ttttctgcgg aggactctga 120
 agggatacta aactgcattt agctgcatgc aactgaaact acttttacct acattgtctc 180
 ttataaacat tataactact ctttgagaaa gtgtttacta tggactgaat tgtctcccca 240
 tcccca 246

<210> 33222
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 33222
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 cttgggtaaa tttattccta agtttttggt tttctttgat gctatagtaa atgagattat 120
 tttcttgatt gcttcgtcag ctagggttatt tgtatacaga aatgcaactg atttttatat 180
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<210> 33223
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 33223
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 agagctgaga tttgaatcca agtttggtcca ccgggtgcct tcgtagcctt tggggcctaa 120
 gccaggcctt gaggggtgga caggggtcaaa ctggctcctc cgcagcacta ggggcatcag 180
 gaatgaaggc ctggagatta cagttgggtt gtctttcctg gatgagacag gaaactggct 240
 taattagagc aggagtttgt gtgagagggc aatgggaaat acaggmwgta ggtggggc 298

<210> 33224
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 33224
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 tcccagtag ctgggattac atgcatgtac caccatgcct agctaatttt tatattttta 180
 gttgagacgg ggttc 195

<210> 33225
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 33225
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 attcacttgg gactggattc gatacaattt caaaacgggg agtcgggaat tccttaggac 120
 cctctgtgga caaaaagctg atacccttgt taccacaagg attcctgcac ttcttctagt 180

ttgtagcttt ccaggagacc tggcagaaac aacaaatcaa atctccatgc ttaacaatcc 240
 ttacaccttg aagactttta aaacaaatga ggcg 274

<210> 33226
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 33226
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 tactcgggag gctgtgaggc aggagaattg cttgggcctg ggagggtgag gctgcagtga 120
 gccgcgatca caccactgca tgccagcctg ggcgacagag tgagaccctg tctcagaaaa 180
 gaaaaaaaaa gtaaaaattg catgtaagtt gacccgcact attcaaattt gtgggtgttca 240
 aggttcaact gtaatttcct agcaact 267

<210> 33227
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 33227
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<210> 33228
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 33228
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 gaaatgttgc atttagagca gtgcacacag tagacactta ataaatgtca ttgaccatct 120
 atgaccagtt tctgttttag ttcgttttct gtktgtttt ttgagacagg gtctcgctct 180
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 ct 242

<210> 33229
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 33229
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 cagaaaatgg ggtatccatt ccctcaagca tttatccttt gtgttacaaa ccatccaatt 180
 atact 185

<210> 33230
 <211> 391
 <212> DNA
 <213> Homo sapiens

<400> 33230
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 ttgagacagg gtcttgcttt gttgcccagg tcagagtgcg gtgacaccat ggttcactgc 120

gaccctgacc	tcctggactc	aggsratbht	gcctcacctt	ccagagcagc	tgggactgca	180
ggtgcgtgcc	accatgcttg	gctaatttat	ttgttttttg	tggggacggg	gtttcgctgt	240
gttgccctagg	ctggaaaata	agcgaactct	tggactcaag	caatctgccc	gcttcaacct	300
cccagaatat	tgggattaca	ggtgtgagcc	actstgcctg	gcaaaagtca	cttattttta	360
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<210> 33231

<211> 131

<212> DNA

<213> Homo sapiens

<400> 33231

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gctggggaaa	tgagcaggta	ggaggccgac	agcgacctcc	acgtctcgga	gcgrrccgtg	120
aggckcccc	t					131

<210> 33232

<211> 192

<212> DNA

<213> Homo sapiens

<400> 33232

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ggtatagagt	attatyatct	gcaaacaggg	atagctttga	cttcctctct	kcctatttsg	120
gtgcctttcc	tkctttttct	tgcctcatgg	ctcaaagcta	ggacttccaa	tattatgttg	180
aataggagtg	ct					192

<210> 33233

<211> 250

<212> DNA

<213> Homo sapiens

<400> 33233

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acaggtagaa	tttctggatc	gtaactacta	gtgacttctg	aggtttacag	ttagaaaatg	120
ttctcaaagg	tttatcagtt	atgtattgat	gattggtaat	ctagaccctc	tggaggctgt	180
agaatgtgaa	aagatacagc	tgagctgaca	agtttttagg	cactatcttc	tggaatgaaa	240
tcggccatca						250

<210> 33234

<211> 343

<212> DNA

<213> Homo sapiens

<400> 33234

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taaccttcca	aaaattactt	agtattgcaa	agtcaggaaa	tcatcaggaa	cgtttagctg	120
acaaaatact	tgtctgtttt	aaaaacctgt	tcaagtctac	caacctgttc	aagtctacca	180
attataaggg	caaattggag	aaaaagaaaa	aatatatact	caagagtggg	atcttgagct	240
atcggcactg	tacaaaaaaa	tcttccaatt	tagttgttgt	agagaaaaa	tgagaaacaa	300
atgaagacaa	aacatacatt	ttgtaccndy	catccaatta	gct		343

<210> 33235

<211> 126

<212> DNA
<213> Homo sapiens

<400> 33235
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atatactgca tgtggggcaa agttgctggt aagtatcatt cttccttctg tccttcgaac 120
cccca 126

<210> 33236
<211> 182
<212> DNA
<213> Homo sapiens

<400> 33236
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ggtttgtgat ggatttatgg agtatgtggg tatagaaatc atgaatctag catttgtttt 120
cagagattca agcatagtct taagggtaga tcagaaatga caaatgaatt caaacctaa 180
ca 182

<210> 33237
<211> 237
<212> DNA
<213> Homo sapiens

<400> 33237
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aggttagaac attgattttt ttcttttctt cttttttaat gtagttattg acagccataa 120
tttctctcta agcaggtgct ttacctgcat cctatacttt ggtgtgttgt gtttttgttt 180
tcatgcacct aaaagtattt taaaatttac tccaagattt cttctttgac ccactta 237

<210> 33238
<211> 110
<212> DNA
<213> Homo sapiens

<400> 33238
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tattagakkgt tgataagrct tactgaraaa tttaagaata cagcaggctt 110

<210> 33239
<211> 187
<212> DNA
<213> Homo sapiens

<400> 33239
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tatttcctcc tggtaataaa tacaagtgtg acctttcaga ttgcataatc caaaagtaac 120
attgctaattg ttttataata aaatatatta tgtgtgtttt ggttggtgaa aataatacag 180
actacat 187

<210> 33240
<211> 295
<212> DNA
<213> Homo sapiens

<400> 33240

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gatttagaag	gatgaatgtc	agctgaaatt	taagaaaccc	ctttgtaa	aaccagggtc	180
tctataggag	ggtcgtagat	agcattttat	gtctttctga	cctccaacct	gaagtgaac	240
ataaggcatt	gtgctcatga	ctkttgatct	ctccaagtct	gacattcgaa	tcgat	295

<210> 33241

<211> 143

<212> DNA

<213> Homo sapiens

<400> 33241

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accagttag	acttgagcg	gcc				143

<210> 33242

<211> 215

<212> DNA

<213> Homo sapiens

<400> 33242

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aggcaggaga	atcgcttgaa	cttgggaggc	ggaagttgca	gtgagccaag	atcgaccac	120
tgcactccag	cctggcgaca	gagcgaggct	ccgtttsraa	aaaaaargts	cacaatgtag	180
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<210> 33243

<211> 380

<212> DNA

<213> Homo sapiens

<400> 33243

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acttgaacga	tattttcttc	atcaataaaa	agagaatgag	gttcagggca	gtttagtaag	180
atttcttagg	gcacttcaaa	gttgtccagt	ttattgcttc	ccgaccctaa	tgctaccctc	240
gatcggggct	ctttccatt	ttaccctgat	cctcaccctc	ccccaaatgc	ccttagggta	300
ataagtggta	caccaggaag	actgctactt	ataactgttc	attttcaagg	aaacttaggt	360
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<210> 33244

<211> 291

<212> DNA

<213> Homo sapiens

<400> 33244

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gaaattatga	gagaatgcct	gtctcctttc	agtcacctgg	cttgtggatt	tgctatcccc	180
aggtgaaacc	aaggccctac	tggactggcc	ccaggctgat	tcctggagga	agctactttt	240
cagakgggca	cacaggttat	ctcatggaca	ggttcttcag	ggtgtcttct	a	291

<210> 33245
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 33245
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 catgcacaca cccataccat cacacaccac acacgcgcac acagatgcrac atacatgcac 120
 tcaactgcaca caccgttgta cacgatgcac actacaagcc acatac 166

<210> 33246
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 33246
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 atggatttac accactggaa tctgaaaatg ctataaatca atcctttttt 110

<210> 33247
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 33247
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<210> 33248
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 33248
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 taccttctgt aattttgtac cagktkatac ycctgcaata ggtaggtgk acacagattc 120
 ccattaattc acattcacc caagttgtgt gtgkgtcagt gca 163

<210> 33249
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 33249
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 cattgctact gtcttagtcc cagtgtcatc ttktacctgg gattattgta aaggcctcgk 120
 aactagtctt cctgktctg cccttccctt ctctgcccac ctattctcaa cacagtgttg 180
 cttttaaaac aaagtaagat cgtgccactc ttctgtctta aattcccatc tggtttctca 240
 tctcaaacta agggccagtc ataatgccct cacggtccca t 281

<210> 33250
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 33250

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<210> 33251

<211> 106

<212> DNA

<213> Homo sapiens

<400> 33251

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<210> 33252

<211> 329

<212> DNA

<213> Homo sapiens

<400> 33252

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 ctgaattact gaagagggct aagcaaaaacc aggtgcttrc gctgarggct ctgcagtggc 180
 tgggaggacc ccggcgctct ccccggtgtcc tctccacgac tcgctcggcc cctctggaat 240
 aaaacacccg cgagccccga gggcccagan kadgcccagc tgcccagagct cctccggggg 300
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<210> 33253

<211> 212

<212> DNA

<213> Homo sapiens

<400> 33253

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 actcagtctg ttagcaagtt ctgaaattaa aaatcagttg gtcataattat attataacct 180
 atagtataaa ataaaatatt tgtgaggccc gc 212

<210> 33254

<211> 238

<212> DNA

<213> Homo sapiens

<400> 33254

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 agagcaggca ggaacattgt gaacgaatgt tgggcatatt attatgcaag tgactgaatt 180
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<210> 33255

<211> 178

<212> DNA

<213> Homo sapiens

<400> 33255
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 gaataaagtc ctcamaattg aaatrtgaca wdgvycccca acatctccca tctctcwrra 120
 tttctttttg cktcattatt cctgctaacc aattcatttt cagactttgt acttcaga 178

<210> 33256
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 33256
 taattaaccc cacaaatttt ggtgcatkkt catttatggt caaaatattt tctaatkkt 60
 tttgagaatt gttctttgac ccatggatka tgatgatgat gc 102

<210> 33257
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 33257
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 accagcactc tgccccaccc ctcttgctr gcagggttg tggacctggg tgtctctctg 120
 gacacatcc 129

<210> 33258
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 33258
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 ccaaagaaga ctaggtacac acccascama cacrgaac 98

<210> 33259
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 33259
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 tgtggatatt aaatggaagg tttgstgtgt kgaattckag ttkgtktcca ktggagcagt 120
 tttatgaaat atgttctata agatgtacat tttttcattg taacatagaa attgtaaata 180
 attgattaaa gtgctgcatt ttgatgaatt ttttctagcc atttttaaaag agaaaactag 240
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<210> 33260
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 33260
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 aaggattcga tccccagtbs cgtcccckccc cakktctkrq ggcgccccca aaccgctcca 120
 ggcctgagag gctgtaggk ccatgaggac aggccttgag tctgtcctgg tctctggaat 180

cacggtgtct agtagaggcc agcacacagc aaatatataa atgtacaaat gagtgaatga 240
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<210> 33261
<211> 284
<212> DNA
<213> Homo sapiens

<400> 33261
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ccccaggac tgtgaggact gcacgccgca tggcctgctc cctgggaggg tgacgggttt 180
gcctcccgcc tcccacacaa ggcgcacacc agcgggcaca gcccggtgac ctgcacgtct 240
gagtccagga tgccagtgat gtttcttctc ctctgcccc gttc 284

<210> 33262
<211> 61
<212> DNA
<213> Homo sapiens

<400> 33262
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a 61

<210> 33263
<211> 166
<212> DNA
<213> Homo sapiens

<400> 33263
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tgtacttaga caaagaggca gctgaacgtc tttcaaaaac agtagaatga agcatgtctg 120
ttactagcag aatataacgg gcgcctggca gcagaactgg aggacg 166

<210> 33264
<211> 381
<212> DNA
<213> Homo sapiens

<400> 33264
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ctcagtaaaa acattttcta gtataacatg ttttttaaaa agcaaatgct gccgtctttg 180
gaatcttaat ctaaaaatgt ggccggggcg ggtgggtcac gcctgtaatc ccaacacttt 240
gggaggctga ggcgggtgga tcacaaggtc aggagttcaa gaccagcctg gccagcatgg 300
tgaaacccca tctctactaa gaatagaaaa ctacagccgg cgtggtggcg ggtrcctgtg 360
gtcccagcta ctcgaggagct c 381

<210> 33265
<211> 178
<212> DNA
<213> Homo sapiens

<400> 33265

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 atcttttcat atgccgagat accagtaatt tatttatttg gtcacttkgt ggtgtcctat 120
 atattgtaaa gattttgtaa ttctttkkca ttcttttaaa aatgtttgcc tggtttgc 178

<210> 33266
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 33266
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 ttttttttt 69

<210> 33267
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 33267
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 gaacaaattg tccagtggcc tcctgtcaga tcaacaatta ttatactcct taattccatg 180
 caaattttaa tgaatgctat aaaattttta atctgtagcc tgggtgtacg tttcactcaa 240
 gttctcctac tgaggactct tgactaacag catactggca gtttcacctt aacctgccc 299

<210> 33268
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 33268
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 tagaraaggt acagtaaaaa tataatataa aagataaaaa atggtatacc tgtgtaggac 180
 acctaccatg aatggacctt aaaggattgg aagttgtttt ggtgagact 229

<210> 33269
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 33269
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 gatgcacccc atcagcaggg actttctacc tgggagggta attgtttcaa ttatcttctt 180
 tttctttttt tttttttt 198

<210> 33270
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 33270
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cccaccttcc ctccaccagt tcccc

85

<210> 33271

<211> 169

<212> DNA

<213> Homo sapiens

<400> 33271

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tccgcccacc ttggcctccc aaagtgctgg grttasaggc atgagccacc atgcctggcc	120
aaaaataatt tctataatta aaatgctaaa tgaataggga ctggagctg	169

<210> 33272

<211> 72

<212> DNA

<213> Homo sapiens

<400> 33272

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<210> 33273

<211> 384

<212> DNA

<213> Homo sapiens

<400> 33273

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taattgcamg aaggcaccat cctccccatt tyaggcactg ttctctaatt ggctgcctt	180
cctttctggt gaatccctat tggctctctt ggggctcttg cattctcagg tctgtgggta	240
cattgttgc tttctyttct ttctcctgcc tagatcctgg cattgctact tgtatttytc	300
tttctgatac tgccatacta actcaatgtt atgttgamaa taatgttttt cttatattat	360
aaagtaagty attttgtttc agtc	384

<210> 33274

<211> 267

<212> DNA

<213> Homo sapiens

<400> 33274

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tccaaattta tctgatagag atgagcaaag tatcctaaga ttccctcccc cccccgtatt	180
tgtggttatc tccctaagat cattttgtat attcttcttt gcttaggatg gccattttat	240
ttttacatac ctctccctt ccccccac	267

<210> 33275

<211> 79

<212> DNA

<213> Homo sapiens

<400> 33275

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tggattattt cctttttt

79

<210> 33276

<211> 173

<212> DNA

<213> Homo sapiens

<400> 33276

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catatgatag	ctgtttccaa	acgtaaaggg	cattcatagg	gaaggacat	tttctgggtc	120
cctattttat	gccatagatg	ctgggctaga	cactttaatt	gacatcacc	cct	173

<210> 33277

<211> 212

<212> DNA

<213> Homo sapiens

<400> 33277

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aggccggaga	tggtagcatc	cactgtgtga	gccaacgggg	gcctcccacc	ctcatctagc	120
tctgttcagg	agagctgcaa	acacagagcc	caccacaagc	ctccggggcg	ggtcaagagg	180
agaccgaagt	caggccctga	agccggtcct	gc			212

<210> 33278

<211> 163

<212> DNA

<213> Homo sapiens

<400> 33278

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ctgctcaagc	tgaaaaagtt	agcaattacc	accagtggtg	caaaatagca	ttttattcgt	120
tctgaaaaca	cccctcttaa	accttaacta	aaagagcacc	tac		163

<210> 33279

<211> 265

<212> DNA

<213> Homo sapiens

<400> 33279

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ctaaaacagc	acaaaaaaaa	tttcactttt	gaaatgaaat	ttttataatt	gtatggcaaa	180
aggctatgta	aaaacaaatc	ttgcatctta	agacaaatat	tcttttattt	ctgttaaact	240
gaatatacaa	ttgttcccta	ggcct				265

<210> 33280

<211> 165

<212> DNA

<213> Homo sapiens

<400> 33280

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ggtaaggatg	ggaatatttt	gttatactgt	gtatagttaa	tgtattgtac	tgtgtctgtg	120
aaaactgtgc	tttaaattat	attttcatat	gttttgttgg	ggacc		165

<210> 33281
 <211> 417
 <212> DNA
 <213> Homo sapiens

<400> 33281
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 tatgtgggtct tttatgcccc gcttctttca cttagcataa tgctttcaag gctcatcctt 120
 gttgatgtat tagtatttct ttcccttttta tgactgcata atattccatt gtatgaatat 180
 accacatatt gtttgtccat tcaattgatg ggcatttagg ttttttctgc ttgttggctg 240
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 aattctccta aaagtggat tggttgggtct tatggtaact ctgttttagtt tttggaggaa 360
 ttgcbagact gtcttttaaac agctggacta ttttgcattc ctgtcagcaa tatatga 417

<210> 33282
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 33282
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 gcaagaatct ttgtaatgca acaagagaga agttacaagg cagcacggaa gtcaatgccg 180
 gt 182

<210> 33283
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 33283
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 ctcaaaactcc taacctcagg tgatctgccc acctcagcct cccaaagtgc agggattaca 180
 ggcattgaggc accacacctg acccaatata ctgtttcatt ttcccttttk kttgttttk 240
 tttggttttt tkgagacagt gattcccccg cctt 274

<210> 33284
 <211> 182
 <212> DNA
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<400> 33284
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 tccatgagct gtgtaaattt tgtgaatatg kattatatta aaaccaggca acttggaatc 180
 cc 182

<210> 33285
 <211> 167
 <212> DNA
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<400> 33285
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 tgcactccag cctggcgaca gagcgaggct ccgtttcaaa aaaaaaa 167

<210> 33286
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 33286
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 ggtggatcgt tcaagcccag gggttgggga caagcctggg aaacacagtg agacctcaca 180
 caccacacac acacagacct cacacaccac acacacagac ctcacacaca ccacacacac 240
 acaaacctca cacaccacac acag 264

<210> 33287
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 33287
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 tttctgggca acagttggta agatttttaa atgasactga gaaactkkct gttgacttaa 120
 aaaatatgta tttcatttkt tctgagtaat atatttgctt gaatttcaca gcctcatgg 179

<210> 33288
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 33288
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 aacataacta gattgttctg aataccgtta ttatttccca ataatacaaa catcacaatt 180
 tcagttctgt agtacctggc ctacctacc ttccactgc ccc 223

<210> 33289
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 33289
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 tgcactccag cctggcgaca gagcgaggct ccgtttca 158

<210> 33290
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 33290

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tcacccctca	ttatatgacc	ttacacatca	cttaacctcc	cttagcctgt	tttkcttttc	120
ttcatctgtg	taacagcaac	aatgcatgcc	acctgccaca	tatccctcat	gggcttggtg	180
taaaattctg	agaagatgat	gggtttttca	gtaccatgtc	cagcacgtgg	tacacatgca	240
acaaccaccc	aatctgatcc	gacctgtgtg	gtaacactgg	cgctcttgt	ttgggagtga	300
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<210> 33291
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 33291						
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tggcctttta	cactaggggc	agccatggga	agctccttga	ggccttggtt	gtgtccatgc	120
gtgtcttggt	agtcagtgc	tttgagccc	atcatacagt	gcctggcacg	aagttgagta	180
aagaaatgaa	tcctctgtct	acctctgggg	agattgtcaa	ccactgtggg	tc	232

<210> 33292
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 33292						
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tcagtttgcg	cact					74

<210> 33293
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 33293						
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gtaaggtgtg	tattgggtccc	atttagcagg	taagacaatg	aagaccagag	gtccagcacc	120
ttgcctaaac	cacacctgct	gggatttgga	ttcaagtcca	accgtacagc	tcaaacgctc	180
agccacttcc	ctaaagtcca	cccca				205

<210> 33294
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 33294						
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gaggcaggag	aatttcttga	gcctgggagg	tggaggtttc	agtgaactga	gattgcacta	120
ctgcactcta	gactgggtga	cacagcaaga	ctccatctca	aaaaaaaaaa	aa	172

<210> 33295
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 33295
 tccactgaak tcttgatccc ctsratcatc catgaggttt ggaatcatct tctcaactcc 60
 tgtaaagtgt gacat 75

<210> 33296
 <211> 79
 <212> DNA
 <213> Homo sapiens

<400> 33296
 ccagtcaatg acgtagatgt tgggggtgtac cagctgatgc agagtgaaca gcttctctca 60
 cgcaaagtgg agtccttat 79

<210> 33297
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 33297
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 tatatgcaat ttccattgaa cttaaagagt gaaaaccatg taaactattg aaactattgt 120
 aatccattaa tgctttttta gaatggcaga ccttgatgtt tatttctcaa atgggtaagc 180
 cctcttcttt actcttaatt ttttttttgg gacggagtca cccaggctgg agtgagtggt 240
 tgagattttg gctcgctata acctcttcvy ccagggttca ggtgattctc c 291

<210> 33298
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 33298
 tacaaaaaaa ttagccaggc gtagtggcag gcacctgtag tcccaggctg aggcaggaga 60
 atggtgtgaa ccgaggaggt ggagcttgca gtgagccgag atcgcgccac tgcactccag 120
 cctgggagac tgagcgagac tccgtctcca aaaaaaaaaa aaaaa 165

<210> 33299
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 33299
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 acctcacagt gggtaattha taaacaacag aaatttattg cccagaactc tggaggctag 120
 gaagtccaag atcaaggtcc catgca 146

<210> 33300
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 33300
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 cagggcaggg tcgcatctga ctctgtcatc tctgttttcc ctggcatggc acagggcaga 120
 ggcttcatcc tgtttatcga tggagcgagc ccaggcttcc cgctcgtcagt gccactgtgt 180

004220" 5566T550

ctcacagtgc	cttcctcacc	cagggcaaag	ggcattttaga	acctgacacc	tgacaacctc	240
ccaggggtctc	caccgtctca	caccacgcg	ctccctggag	gccactcact	cagccccttg	300
gttgggaaca	taacgaggag	atggcattta	aggagccagt	gatcttcgag	caccttgaag	360
gtcatcttgc	ctgtgctcca	cagcagctcc	tt			392

<210> 33301
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 33301						
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agagtgaagg	ctgggcacgg	tggctcacgc	ctgtaatccc	agcactttgg	gaggccgaga	180
caggtggatc	accttaggtc	aggagttcga	gaccagcctg	gccaacgtgg	tgaaccctg	240
tctctactaa	aaatacgaaa	attagctggg	catggtggca	ggcgtctgta	atcccagcta	300
cttgggagca	ca					312

<210> 33302
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 33302						
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atatatgtgt	gccatggtga	tttgctgcac	ccatcaaccc	gccatctaca	ttaggtattt	120
cttctaattg	tattgcttcc	cttgccccc	accactgag	aggccctggg	gtgtgaggtt	180
cccctccctg	tgcccatatg	ttctcattgt	tcaattccca	tttatgagtg	agaacacatg	240
gtgtttgggt	ttctgtccct	gtgttagttt	gctgagagtg	atggtttcta	agcttcatcc	300
atgtccctgc	aaa					313

<210> 33303
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 33303						
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aaaaagagtg	gaaacttaaa	tcaaaatata	agtcctwttc	twgctctgtc	ttctagtgaa	120
aatgtyattc	tgtgttagag	aatgaccag	atgaattgtg	tttcctgttt	cgttttgcag	180
ttctcattaa	agtgggtaca	cgcac				205

<210> 33304
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 33304						
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taaagatctg	agttttaaaa	atgttggtgc	tgggtggattt	cttgttcctg	ttacataact	120
aaaagtgagg	ccatttgtgg	tttttaaaaa	ccttatgaat	taaaaatgct	acaggc	176

<210> 33305
 <211> 331

<212> DNA

<213> Homo sapiens

<400> 33305

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gcttcttcac	atthttggagt	ttagatgtta	agatttcaca	cagtcttggc	ttctctgcat	120
ttgtttcttt	gtaaaaaaa	ttactctgtt	tttgagtggg	attcattctg	ttgctttctt	180
accacttctg	caaattttta	tcttagccac	atataatccc	cctagtttgt	tgcatctaa	240
acttaatgaa	catgttctct	attccataag	ccaggtgatt	ggtgaaaaca	ctaaacaacc	300
ctgagcccag	ggccaacccc	tacggagcca	c			331

<210> 33306

<211> 326

<212> DNA

<213> Homo sapiens

<400> 33306

cacaaaccac	ctcctcacct	gggcctccta	tggttcagag	cacagtctca	gcaaatectc	60
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gcttgcccag	acccagtgcc	ccttctgctg	ggggcatacc	agtgcctcgc	agcaaacttg	180
cacagcctgt	tcgcaggtaa	gtggcagatg	ttctgtttca	gcattcttga	gtgcctgaaa	240
gtggatagac	tggaatgaat	taggcttcat	ccgtatgttt	gatagtaaac	agraagtcac	300
ggtggattcc	saccagagtt	ttagta				326

<210> 33307

<211> 114

<212> DNA

<213> Homo sapiens

<400> 33307

tataatttaa	gaagtctgga	atacagagtg	taacactgtg	tactgctagc	acccaaagtg	60
gaaaatctta	agcattcaga	ttgtttagwm	aaagaagaaa	accagaagga	cagc	114

<210> 33308

<211> 109

<212> DNA

<213> Homo sapiens

<400> 33308

ccattttccc	tcatgaatag	actcaccagc	atthttacccc	cttggttataa	aactgtgcag	60
agcaagaaga	tgatacttat	ttttgaattt	gtatthtttaa	aactagatt		109

<210> 33309

<211> 157

<212> DNA

<213> Homo sapiens

<400> 33309

catcagtagt	caaaagcatt	tctccttttc	aacataaacc	cttccaaaac	atcattttaa	60
ttccattcca	tttttagatg	ttagtttcag	taccagagcc	aaatagtaag	tttgttccct	120
cttctataag	ttgtggcctg	ccttctccaa	gacaccc			157

<210> 33310

<211> 303

<212> DNA

<213> Homo sapiens

<400> 33310

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cagaaggaaa gcagtggtag atggtttggg ggttggtttt gttttkttga tttgcaacga    60
agtcttgctc tgttgcccag gctggagtag agtggcgtag tctcggccta tgacaacctc    120
cgtctcccgg cttcaagcga ttctcctgct cagcctccgg agtggctagg actgcagctg    180
cgcasaccat gcccggttaa tttttgtatt tttagtagag acagggagtc ctgacctcgt    240
gatccacca cctcggcctc ccaaaatgtt gggattacag gcatgagcca ccgcacccgg    300
cgc                                                                    303
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<210> 33311

<211> 64

<212> DNA

<213> Homo sapiens

<400> 33311

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gacaaaaaad tcacttcagg gracacagta aaaggtgact gartcaatct aggttaaaaa    60
aaaa                                                                    64
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<210> 33312

<211> 324

<212> DNA

<213> Homo sapiens

<400> 33312

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ttgcttttat gcacaagaag gccttagctc ctgaaacttt cttctgagac tttcctgtga    60
tctttctact ttctgctgtg atgttttcct ggttgaacca agggcacact tatccttttt    120
ccttcattct gaatcactca cctgacttca ggtgttacct cttcccctga catgctaaaa    180
ttgtagggtga tcataaatat tattcactgt gtgtgtgcyt cccacccctt gccttggttt    240
tcacagagct taggatgtca tggaagtatc tcagggtccg ttggagatat ggcactgagg    300
tgtaggcttg ataattgggg cagc                                                                    324
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<210> 33313

<211> 157

<212> DNA

<213> Homo sapiens

<400> 33313

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aaaagatctc tcatcatgaa gtagtagatt tgaagaaaaa aagcacatta aatcctaaag    60
actatgtttc ctaaaagtct tcccctcttc tgccacataa aaggaaggcc tcaacttcaa    120
ggaaaaagtg tatatatacc ttttatatac ccggcat                                                                    157
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<210> 33314

<211> 297

<212> DNA

<213> Homo sapiens

<400> 33314

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tgcgggtggg atgcgatgta ccacatttgt gttcatgagg ggcctggatg ccgtacgggc    60
ggacgcagag tctcagagga gactgcactg gaagctgaca gcacggctct tagagtcaaa    120
tttcgtctgt ccatttgtct agtagccctg ggtcttgact cacagggtgga atgggagtgc    180
aaactcagta catgaaggac agaactgact gtccctggac cataatagaa actcattcta    240
gaagttcaac atgaaactca ttctagaagt tcaacatgaa aaagtttaga agaacgc      297
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<210> 33315
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 33315
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 catcctggga aggagcctgc atctcaggta aggagactca gagtccggtt ccagctccac 180
 cactgatgac ttgagtggac ttassacatc atttaccaac aatcacaaaag acttctggga 240
 catctgccac ctacaaggtc ccgaaagaat tcccagagga gcaaaacaca gtccctgacct 300
 ctccggtctc agtgaagatg agtcctgcac tccacagcac atgggccatg a 351

<210> 33316
 <211> 50
 <212> DNA
 <213> Homo sapiens

<400> 33316
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<210> 33317
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 33317
 cagaaggaaa gcagtggtag atgggtttggg ggttggtttt gtttttttga tttgcaacga 60
 agtcttgctc tgttgcccag gctggagtag agtggcgtag tctcggccta tgacaacctc 120
 cgtctcccggt cttcaagcga ttctcctgct cagcctccgg agtggctagg actgcagctg 180
 cgcasaccat gcccggttaa tttttgtatt tttagtagag acagggagtc ctgacctcgt 240
 gatccacca cctcggcctc ccaaaatgtt gggattacag gcatgagcca ccgcacccgg 300
 cgc 303

<210> 33318
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 33318
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 ctggtctctg tgacggtgtc agatgcctcc tgggtctcag aactgctgtg gtcacttttc 120
 gtccctttca cgggtgtatca agtaagggtg cttcgtcctg ttcacgcgca actaggggaa 180
 gcgaatgagg agtttgact ccgtgtacaa cagctggtgg ccaaggaatt gkkccagaca 240
 gggacacggc tcaactccagc tgacaaagca gagcacatga agcgacaaaag acaccccaga 300
 ttgcgcccc agtcagccgg a 321

<210> 33319
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 33319

gtgtttkac	ttccacacaa	atcatctcta	taggagttaa	attaggaagt	cacaacagcg	60
cctgttgaac	aaactcatca	gtgtggtaat	cctatgaggg	ataattgcag	aaagggttta	120
gagacttg	aggttccata	tgataattct	ttacacctcc	ccccccaaga	gaaagtagac	180
aggtagct						187

<210> 33320
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 33320						
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agggcgccct	tctccttccc	cctagtaagt	gragaaaccc	ttgtgktct	gccctctgaa	120
ctcaccgcat	ttgggattac	catgctaaca	tccttttttt	cactgactgc	aaattgccag	180
agtgcaggaa	ctatctcatt	tgctgctttc	tcctaatagc	ctggaa		226

<210> 33321
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 33321						
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caagtttggt	ttttatataa	atatatatac	atatatacat	attatgtatg	gttgtaaatt	120
catacactta	tcacatgaat	gtgttactgt	atacaaaact	cttaatgctt	tattctcaaa	180
tgctgggtc						189

<210> 33322
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 33322						
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ctgccccaga	gacatatagg	agccaggcaa	acaccagggc	gagttagctc	gggccatctg	120
ctgcctgcct	gtggaaggag	cgctcgccag	cctcaccag	cccgagaagg	tccacctctg	180
cctccgccgg	agctgccctc	attctggctc	cagtaagtgc	tgcttcttcc	tcctgggttt	240
ttttccacta	ccctattcag	taaccaggcc	tc			272

<210> 33323
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 33323						
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tggggcaatt	tactggccac	taatttcgtt	taaataccca	ttgtgtcatt	gggggggaccg	120
tctttacccc	tgctgacctc	ccacctatcc	gccctgcagc	agaaccttgg	cggtttatag	180
gtaatgatgg	aacttagact	cctcttccca	gagtcacaag	tagcctctgg	gatctgccaa	240
aacacgtcca	ctcccaagcc	actagcccac	tccccagttg	gcccttctgc	ccttacccca	300
cac						303

<210> 33324
 <211> 156

<212> DNA

<213> Homo sapiens

<400> 33324

ttttatagct atcacaaatg agattgcttt cttaatTTTT tttcagatta atcatagtta	60
acaaatagaa actattgatt ttygtatgtt gatttcgtat cttgcaattt tactaaaatg	120
ggtagcaat tctaagagtt ttttggtgaa ggcac	156

<210> 33325

<211> 164

<212> DNA

<213> Homo sapiens

<400> 33325

tggagcctcg ctctgatgcc caagctggag tgcagtgggtg caatctgggc tcaactgcaag	60
ctccacctcc gggttcgtgc tattcttctg cctcagcctc ctgagtagct gggaatgcag	120
gcactcacca ccacacctg ctaatTTTT gtatTTTTTT tttt	164

<210> 33326

<211> 66

<212> DNA

<213> Homo sapiens

<400> 33326

cactggtctt actaatcacb gtctttacca gtsagtacaa aaagttaasg caactaggac	60
aggtac	66

<210> 33327

<211> 123

<212> DNA

<213> Homo sapiens

<400> 33327

cacaaatata agtaattta ttttttccat tttcaaagtc aaaagtttagc ctaggaagcc	60
tcccagtcac cctgaaggac cttttgactt tgcttttata attctgtkaa aaattgagga	120
ggg	123

<210> 33328

<211> 187

<212> DNA

<213> Homo sapiens

<400> 33328

catctccaga agtcatatTT agtttttctt tatatcattc atttctcttt taattatata	60
catgtttttt tttaaatact taaacatggg tataacagct gtgttttaag ctccttgtct	120
gttaattcca tcatctgtca tttttgcac tggtttttatt gactaacctt ctctctcatc	180
atggtct	187

<210> 33329

<211> 69

<212> DNA

<213> Homo sapiens

<400> 33329

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ktagcgta 69

<210> 33330
<211> 151
<212> DNA
<213> Homo sapiens

<400> 33330
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ggcatgcttg ttttcacttg tgaaagaaaa gacagtggaa ggacatgtac aatgaagtgg 120
awataccaca aggtatctaa aagagggggc a 151

<210> 33331
<211> 303
<212> DNA
<213> Homo sapiens

<400> 33331
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gwhtcggggc cacaggcatt cagcgggaga gtccagagag gggcaagatg gaacaaagac 120
cttgtaaggga gaagagatgc ctctctccct tgctccccta cactaagcag agactccata 180
tcaatacgca adgcagggtg acaagggtct tgcccagata taggamacag agaaaacttg 240
gagamagaga agtcacagag aactaaaaat atgcatttym tcaaataattt taccagatca 300
act 303

<210> 33332
<211> 229
<212> DNA
<213> Homo sapiens

<400> 33332
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cgatctcctg acctcgtgat ccaccgggtc tggcctccca aagtgctggg attacaggca 120
tgagccaccg tgcccggcag gagcacccta ctttttaagg agcaaccctt ttctccacac 180
tgcaccccaa ccttagtcgg cctgtgccca tttccctcac tgctgcccc 229

<210> 33333
<211> 130
<212> DNA
<213> Homo sapiens

<400> 33333
tgactggaag gctatggagc tccagtggta gatgtgggta taagggtaac tgggggggtct 60
cagagtgggg gccagtttgc atcaggcccc tggaggtggg amcackgcyt ttcaaagaga 120
aaciaagtgt 130

<210> 33334
<211> 219
<212> DNA
<213> Homo sapiens

<400> 33334
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tgaagatata gaaaaccgt tttatggcta aaaatyatca ttttactact actaagcttc 120
 attattagta gatggagttt ttttaaagg tcatTTTTca caaagaaaaa tttgtkttgt 180
 cttttaacac tttaggactg ttacttcata gtttatccg 219

<210> 33335
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 33335
 caaggcttta ttggatctac ctacagattt accaactttg ctcaccattg cttctttaaa 60
 aaatggttct ttttgtacca aaagatatac rwtcacarra rtgccatttt taaccatttt 120
 aagtgtataa ttcacattaa ttacattcac gatgttgtgc aaccatcact gatattctact 180
 tccaaaactg gaactcttgt gcaactgcaa ctttttcacc atcccaaaca gataatctga 240
 acccattaag caataacctc ccacccctc 269

<210> 33336
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 33336
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 tttccccctt acgtctgtaa tatttcgtgc aaacgtctgt caa 103

<210> 33337
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 33337
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 gaaatcccta ggtgctgcgg casaaggaag gagaggggcg tttgctggtg gtagtggtgg 120
 tgagccatga ctcaattcag ttaaagggac ctga 154

<210> 33338
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 33338
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 attcagggga tattgttcct gatTTTgctt tctctccact tggaaaggag gtggacgagc 120
 ccatcagacc acagcctggt gctaggagga aattccttgg ctcaacatgc agaaagtgtg 180
 gtacgccaa 189

<210> 33339
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 33339
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caggctggag tggagtgcga tcttggctca ctgcagcctc cgccctccct

169

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<212> DNA

<213> Homo sapiens

<400> 33340

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<210> 33341

<211> 219

<212> DNA

<213> Homo sapiens

<400> 33341

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tttaaaatgt	ttgcgtaaga	ttgttggtat	ttcttcttga	atgtttgaca	gaattcacca	180
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<210> 33342

<211> 190

<212> DNA

<213> Homo sapiens

<400> 33342

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gattttggtg	cactcatccc	ctgagcagta	tacactgaac	ccaatttgtg	gtcttttatc	180
cctcaccccc						190

<210> 33343

<211> 61

<212> DNA

<213> Homo sapiens

<400> 33343

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<211> 120

<212> DNA

<213> Homo sapiens

<400> 33344

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<210> 33345

<211> 222

<212> DNA

<213> Homo sapiens

<400> 33345

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acagcatttg	ttgtgctttg	tttccttttc	tcttagaact	tttccttttg	aagataaaat	120
tagaagacat	accaatagaa	tatcatttta	tgtgtgcatt	gtctaatttt	tttcagataa	180
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<210> 33346

<211> 158

<212> DNA

<213> Homo sapiens

<400> 33346

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<210> 33347

<211> 113

<212> DNA

<213> Homo sapiens

<400> 33347

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<210> 33348

<211> 229

<212> DNA

<213> Homo sapiens

<400> 33348

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gggtctggtag	gtatagtatc	aaagttgagt	taaatgtgta	aaaaggaaaac	tatttgagat	180
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<210> 33349

<211> 105

<212> DNA

<213> Homo sapiens

<400> 33349

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<210> 33350

<211> 214

<212> DNA

<213> Homo sapiens

<400> 33350

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ttgttgccca	ggctggagtg	caatggcgcc	atctcggtc	accacaacct	ctgcctccca	180
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<210> 33351
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 <212> DNA
 <213> Homo sapiens

<400> 33351	
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	120
	135

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 <212> DNA
 <213> Homo sapiens

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gcccttatca	taggctcaag
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tagcagttcg	tggttggttt
gaatgattaa	accagaattt
actagcacta	tgtcct
gaatgattgc	tcactatagt
ggatatgtat	atgacgtaaa
aggtgttgtg	ctgaatagag
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ggcacagatg	tttggttaca
	tacatgagac
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	240
	300
	316

<210> 33353
 <211> 128
 <212> DNA
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	120
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 <212> DNA
 <213> Homo sapiens

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gctaa	
tgtgtgtgtg	tgagttcgtg
cctctgcagg	agatctgccc
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	tacaacagcc
	cgcccacaca
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	180
	240
	245

<210> 33355
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 <212> DNA
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<400> 33355

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acttaacaga	atTTTTTaaa	aaccttttta	tttataagtt	catgttccag	aaacacaatt	180
gtgtctaata	ttaataacag	ggtggaaaaa	attaccaaca	accctgcaac	tttatatgca	240
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<210> 33356

<211> 142

<212> DNA

<213> Homo sapiens

<400> 33356

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cttattcagc	ctgggaaaaa	taatgttgga	gaaatactct	atgaatagaa	tatactttgg	120
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<210> 33357

<211> 90

<212> DNA

<213> Homo sapiens

<400> 33357

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<210> 33358

<211> 286

<212> DNA

<213> Homo sapiens

<400> 33358

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atctgagtgg	aatattcaaa	aacttgctta	gaaagaaaac	tctaggacag	atggctccac	180
tgaagttatt	ccaaatatTT	aataaataaa	gcataccagg	cttttataaa	ctcttctaga	240
agaaaaaagt	tggaactttt	ccaattcagt	ttttcaggcc	agtgcg		286

<210> 33359

<211> 440

<212> DNA

<213> Homo sapiens

<400> 33359

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tctgtkctw	catggaatct	gtagtggat	cagaatactt	ttatcaggaa	gaattttata	180
ttcgagagat	ccataatctc	atcacagatt	tccttgcact	tatgccaatg	aagatggagt	240
cttgctctat	tgcgcccagg	ctggagtgca	gtgggtgtgat	cttggctcac	tgcaatttcc	300
gcctbctggg	tgaacacagt	gaggaatcgg	gcagatgaag	atgctcgaat	gattcacatg	360
agtatgcaga	tgggtaatga	acccccgttt	cacttagaag	ggcctggrac	acttaatgct	420
tttgattggc	gagctatata					440

<210> 33360
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 33360
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 tcagtcctgt gcacctttga gtctggtcca tctggtgtga tccaagctat gattatccac 180
 tgaagactta ggttttcctt gtcttttttg gtatctatct gaagcacaga tgctcaccac 240
 ctccgcagct gtgagcagcc tgccctcgctg ggaac 275

<210> 33361
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 33361
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 tggagttatg ctgatcatct ctgtgaggcc aaggaagctt gagagtcaag gagcacttga 180
 gctggtgttg gaagctgagt gggcatggcc ccatgggaac agcacaggaa accacacttt 240
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 cca 303

<210> 33362
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 33362
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 aaggctttta gacttgccag gtttaagcaac agccaagttc tcagtaattg ttgacctga 120
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<210> 33363
 <211> 71
 <212> DNA
 <213> Homo sapiens

<400> 33363
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 aacatacgag c 71

<210> 33364
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 33364
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 catgaaatgc tctcttttaa agtgtacaat atagtgggtt ttaaaatatt cagartattg 180
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271

<210> 33365
<211> 195
<212> DNA
<213> Homo sapiens

<400> 33365
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tcccagtag ctgggattac atgcatgtac caccatgcct agctaatttt tatattttta 180
gttgagacgg ggttc 195

<210> 33366
<211> 177
<212> DNA
<213> Homo sapiens

<400> 33366
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tcattcattt agtcattaat tcagtcattg atcaaagtgt atcagatccc tcattctgca 120
ccaagtcctc agctaagatt agggacgaag ataggaataa gaccccatcc ccacaca 177

<210> 33367
<211> 462
<212> DNA
<213> Homo sapiens

<400> 33367
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tttgagaaac tttttattaa gtcaaacaca ggaaatgtag gttaagactg tggtcaccaa 120
tataaaataa aagggtactt tttggtgtat attggttgga gtttcaagca gtacctccct 180
ttatatctgt ttggttgact ttttccagtg attggtgaat tgtgactgtc attgaccatt 240
tgcttctcat tgtaagaatg taaaggttaa gttactatgg ctttttttgg cttcaaacct 300
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ggccaactgc tgcagagtaa ctaggatata tgaatgtgag ac 462

<210> 33368
<211> 137
<212> DNA
<213> Homo sapiens

<400> 33368
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gcaggagaat ggtgtgaacc tgtgaggtgg rgctttgcag tgagccaaga tcgcgccatt 120
gcactccaac ctggaca 137

<210> 33369
<211> 371
<212> DNA
<213> Homo sapiens

<400> 33369

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gtcgggaagg ggaggacggg aagtctagcc ggcttgacc cgccccactc tgttacctgc      180
cagatgacgc tgaggaaact gcttttcttc tcgaggcctc cgttgccctg tctgtgcccg      240
ggcggtggtg cttacccggc ggggtcgag ggaggtctcg tggcggcgcg tgttgggtct      300
gcgtttcccc tctgggggtgc ttgggcagca tgagcccagg gctgtggaca gcctggtgct      360
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<210> 33370

<211> 267

<212> DNA

<213> Homo sapiens

<400> 33370

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tactcgggag gctgtgaggc aggagaattg cttgggcctg ggaggttgag gctgcagtga      120
gccgcgatca caccactgca tgccagcctg ggcgacagag tgagaccctg tctcagaaaa      180
gaaaaaaaaa gtaraaattg catgtaagtt gacccgcact attcaaattt gtggtgttca      240
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<210> 33371

<211> 255

<212> DNA

<213> Homo sapiens

<400> 33371

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catagaagtg agttatatct ttggttgagt ttttaaacad tcattcttac tggggtagta      60
tttgggaaac attgtatcag gttttgctgg tagagaaagg gtaaatacag aagttaaaga      120
ataagtgata tataaggatt taaaaaagaa ggcctcaagt ttaaaggata tatgtaatta      180
caagatgatc tcaattttta atcagaacac ttaagttgga tgtataggag acaggaaatg      240
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<210> 33372

<211> 342

<212> DNA

<213> Homo sapiens

<400> 33372

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taattaaatt attgtatatg gagatgacag gtagtggatt gattattctc ctgtagataa      60
ccatttgtcc ctgctttttc tgttaagtgt tcaccacttg tatcattggc tggcaatacc      120
tggtttgtca tagtttcaca ttaccttaaa cagatgccca gactgggcac agtggctcat      180
gcctttaate ctagcacttt gggaggctga ggcgggtgga gcacctgaga tcaggagttc      240
gagatcagcc tgaccaatat ggtgaaaccc tgtctctact aagaatacaa aattagccaa      300
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<210> 33373

<211> 382

<212> DNA

<213> Homo sapiens

<400> 33373

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tgctggctgg gaagaaagat ctgacttaga cacagaataa gctgcttggt ctgggtgtgt      120
ttgtgagctg ggtgaggttt tctgtgtcgc tgggcacgtg agggaagtta cgtggctggg      180

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gggtggggtg gggggcatta gaaggagta tgggtgtctg tgggcgctcg cgtgtgcgtg 240
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<210> 33374

<211> 274

<212> DNA

<213> Homo sapiens

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<210> 33375

<211> 251

<212> DNA

<213> Homo sapiens

<400> 33375

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<210> 33376

<211> 334

<212> DNA

<213> Homo sapiens

<400> 33376

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<210> 33377

<211> 133

<212> DNA

<213> Homo sapiens

<400> 33377

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<210> 33378

<211> 226

<212> DNA

<213> Homo sapiens

<400> 33378

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ccactatgaa tcattgcttt tacattggca tcaaagactc tgccaaagat cgtgaaagaa	180
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<210> 33379

<211> 257

<212> DNA

<213> Homo sapiens

<400> 33379

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acactaatat aaacttattt tcagtaaatg ttccagaaca atgcaccatt ttataacctc	180
cttacttata aagatatttt ttaaaaacct ccttttcta taaaaatatt tttaaaatac	240
accatttaca cgctccc	257

<210> 33380

<211> 168

<212> DNA

<213> Homo sapiens

<400> 33380

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<210> 33381

<211> 215

<212> DNA

<213> Homo sapiens

<400> 33381

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atgtggaact cttccagcgc atagaacact taattgggaa gaaactacca ggttttccaa	180
cacaggatga tgaggttatg atgctgacag aacgc	215

<210> 33382

<211> 150

<212> DNA

<213> Homo sapiens

<400> 33382

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<210> 33383

<211> 361

004220-666755

<212> DNA
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aactcttggt cacatgctat tatgacttat aaagcagcaa cagctgaggc gcaccagggc 360
c 361

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<211> 285
<212> DNA
<213> Homo sapiens

<400> 33384
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tggtatcttag caattctcac aattctcatg tattccacag cagcc 285

<210> 33385
<211> 330
<212> DNA
<213> Homo sapiens

<400> 33385
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<212> DNA
<213> Homo sapiens

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aaaggccaag ataaatagaa aaactaacc cagtgc 156

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<212> DNA
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<212> DNA
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<400> 33392

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<211> 200

<212> DNA

<213> Homo sapiens

<400> 33393

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gaaaagggtga	tgtggacttg	taaaagggtg	tactcaaata	ttgaaggaag	agaatttcct	180
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<211> 64

<212> DNA

<213> Homo sapiens

<400> 33394

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<211> 219

<212> DNA

<213> Homo sapiens

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aggatgaacc	agaactaacc	gcttttcac	acctacctcc	caatcaaata	tcaaggaatt	180
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<212> DNA

<213> Homo sapiens

<400> 33396

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<210> 33397

<211> 283

<212> DNA

<213> Homo sapiens

<400> 33397

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004220" 656E7560

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<212> DNA
<213> Homo sapiens

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<212> DNA
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001220" 666T550

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<212> DNA
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agtgaactga gatcacgcca ttgtactcca ccca 154

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<211> 170
<212> DNA
<213> Homo sapiens

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<211> 153
<212> DNA
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<212> DNA
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<211> 161
<212> DNA
<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<400> 33417						
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<210> 33418
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<212> DNA

<213> Homo sapiens

<400> 33418

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<210> 33419

<211> 222

<212> DNA

<213> Homo sapiens

<400> 33419

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acaggaaagt	tccattttaa	caataaaaca	agccacataa	tattttcata	gtacctcaga	180
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<210> 33420

<211> 311

<212> DNA

<213> Homo sapiens

<400> 33420

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<210> 33421

<211> 109

<212> DNA

<213> Homo sapiens

<400> 33421

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<210> 33422

<211> 217

<212> DNA

<213> Homo sapiens

<400> 33422

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<210> 33423

<211> 265

<212> DNA

<213> Homo sapiens

<400> 33423

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<210> 33424

<211> 83

<212> DNA

<213> Homo sapiens

<400> 33424

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<210> 33425

<211> 197

<212> DNA

<213> Homo sapiens

<400> 33425

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aattattgcac	ttattaatgg	tctttatttt	tctagcatag	ataacaattg	attctttaga	180
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<210> 33426

<211> 170

<212> DNA

<213> Homo sapiens

<400> 33426

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<210> 33427

<211> 104

<212> DNA

<213> Homo sapiens

<400> 33427

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<210> 33428

<211> 166

<212> DNA

<213> Homo sapiens

<400> 33428

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<210> 33429

<211> 335

<212> DNA

<213> Homo sapiens

<400> 33429

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<210> 33430

<211> 126

<212> DNA

<213> Homo sapiens

<400> 33430

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<211> 148

<212> DNA

<213> Homo sapiens

<400> 33431

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<211> 388

<212> DNA

<213> Homo sapiens

<400> 33432

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<210> 33433

<211> 154

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 319

<212> DNA

<213> Homo sapiens

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<211> 216

<212> DNA

<213> Homo sapiens

<400> 33436

cataaactaa gaactgagag cggaaaactg gaatttgaac ctaaacaatt aggccctttt	60
actttcccca gcatctactt tccctttgtt ttggtctaaa aacagtctgt ctgtatgtct	120
ataaataaat taacacctgg tctttctttg atagtggaga actagaaagt actgtaggtc	180
taatattgtc aaagtgagac cttgtctgtg ggccgc	216

<210> 33437

<211> 154

<212> DNA

<213> Homo sapiens

<400> 33437

atatgataaa atctctacca gtaaagctca agtttgattg cagtagagat tgattagggt	60
acagaaagac aagtaaaca atgattacat gcatggtag ggcagcagta gagctataca	120
aaatacgtgt agtaaaaact acagagaag gatc	154

<210> 33438

<211> 105

<212> DNA

<213> Homo sapiens

<400> 33438
 taattattaa atttctgac atgtgaagg catgtagtaa ggcctgaatg atatatttat 60
 tagtttttta aatagccagg tagttttatg tatttattat gtgca 105

<210> 33439
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 33439
 cagcttttga cggacagccg tgaacgctca gtcgggggtg tgcaccccgg cggggggcct 60
 ggtgacggga gtgctggtgc tgctgtctct ggactacctg acgaaa 106

<210> 33440
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 33440
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 gggggaaaa atgagaaatt ttaatttatt ttcttttcag taaattactt gcaaagtaat 120
 tttattagtt ttatttatta ttattattat taccatttgt ttttttgaga cagattcttg 180
 ctgtgttgcc cagactgaag tgcagtggca tcatcttggc tcagtgcagc ctccaccacc 240
 caggc 245

<210> 33441
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 33441
 tatgtttgtg atggaagggg gcagaggttg gagctggcac tgccagtggg gacttttagtc 60
 cttaaagcaa gcaaaatgtt cttctaaaac agtagggctc gatccctgag ttccagaaac 120
 tgggtggcacc actggatttg accttttagag atttaccagg ctgcatgtgt ggtggatggt 180
 ggacagagga tgggggagag gcag 204

<210> 33442
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 33442
 tttttctatg gatcacgttt ctttgtatat ttagtgattt ttgattgaat attggacttt 60
 gtggctaata tatagagact ctggagtctg dtasctwtca ttgaaaagtg gatatttttg 120
 ttttagtagg cagttttatt actggttgcc accttaattt taggcttgac tttatgtttt 180
 gttaatgtga atctctgaaa gtgtaatatg tttcttttag ccttccagct ctgttttcct 240
 tgtggatcct ttgtggactt tgttggcctg atcctattct ccctttaata ctactgactc 300
 tctgttatct cttctatgct ctttaaccctg tagtagcttg atatataagag tgatctttcc 360
 ctgctgttac acaacttggc ctttagctgt 389

<210> 33443
 <211> 152
 <212> DNA

<213> Homo sapiens

<400> 33443

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ttcgggatct	ctggccccca	tccccttggtg	tgtgtccctc	tgcccagctc	ctgctgtaat	120
tagctccacg	tgtacccccct	tcactccctc	ac			152

<210> 33444

<211> 118

<212> DNA

<213> Homo sapiens

<400> 33444

aaatgatatt	ttagagtgt	gatactcatt	ttctcttcgg	ttaaagaacac	aacacgatta	60
tttgtattta	tcttgctgta	cacacactca	ggattactca	ctgaggaatg	gggcgcgg	118

<210> 33445

<211> 192

<212> DNA

<213> Homo sapiens

<400> 33445

gaagatccgg	actctgggtg	ttttgctacc	gtgaccgttt	agaaacagag	tskcgctctg	60
tgcgccaggc	tggagtgcag	tgtggcccga	tctcagctca	ctgsaasccs	sacctcccg	120
gctcaagaga	tccaccass	tcagcttsss	aagtagctgg	gactacacgc	gcccgccacc	180
acaaccggcc	ta					192

<210> 33446

<211> 228

<212> DNA

<213> Homo sapiens

<400> 33446

attcttatgc	cctctatcaa	ccagatgagc	aaagctccag	aacagatgcc	ttcccttggc	60
agtctatgga	gttgaatgaa	gctgaaaact	caaggccaag	gtcagggaac	tggtcagtga	120
gggagaattg	cacaatactc	tcagtgtgct	cagtaaccct	accatttcct	ttttccctca	180
gatactgtct	cactgcaaaa	taaattcttt	caatttgagt	ccctgcca		228

<210> 33447

<211> 115

<212> DNA

<213> Homo sapiens

<400> 33447

tattttaata	cgaagaggac	actcccgtgt	ggtaagggat	cccgtcgtct	catagattct	60
gtgtgcgtga	atgttccctc	ttggctgtgt	agacaccagc	gttgccccc	gccac	115

<210> 33448

<211> 103

<212> DNA

<213> Homo sapiens

<400> 33448

cttagtcttt	gagaatctca	aagcagagct	ctctgggmag	agaactgtcc	acattgctaa	60
------------	------------	------------	------------	------------	------------	----

ataattaaga ttccctcact tttttgaggg ccatgtgttg agt

103

<210> 33449

<211> 258

<212> DNA

<213> Homo sapiens

<400> 33449

aagcattacc	gggagcggga	atggcagtgc	caccaggacc	ccgagactcc	gagccatggg	60
ggctgcagca	cccgcgtga	ggaagccaag	ggacggaggc	aagcagcggg	aagacccgtt	120
ttcgaggccc	gcccgcatgt	ctttgcagct	cttctcacca	agaattggag	tctatcttct	180
caactcatta	aatctgagct	ggctgtgtga	cttgcttttg	ccaaaaagac	tttagcaaat	240
aagatataag	caccgcac					258

<210> 33450

<211> 151

<212> DNA

<213> Homo sapiens

<400> 33450

ggacttcccc	aagctgtgga	tgatgaaggg	gcagatcgag	gagcagaagg	agatgatgga	60
gaaggcgcg	gaagcctata	accaggggkt	taagaagtgt	ccccamtcca	caccctgtg	120
gcttttgctc	tctcggtgg	aggagaagat	t			151

<210> 33451

<211> 367

<212> DNA

<213> Homo sapiens

<400> 33451

ttcctaacag	gtaacacctg	aaagaatgtt	tagatttcat	aatcttttca	tataacctacg	60
atcatcacat	ttaaaaaaga	actgtatttt	tgaattaaaa	gtagaaacag	attatgcatg	120
aattctgtat	atggagtagg	aaacactttc	ttaaagggtca	gggagccaat	gatcagaaat	180
aacaccagac	ggacagcaat	aggaaagaca	gagaatgatc	tgtaggtcg	tctaacagct	240
tatacattca	acctttcctt	gcctgtggta	tttaaattgtc	agtgcctgcc	cagagggtccn	300
gtagttatgt	cttgtaaatt	aactctgttc	tttcaattct	ttagatgaca	cagtttatct	360
ctttgtt						367

<210> 33452

<211> 192

<212> DNA

<213> Homo sapiens

<400> 33452

gagtgatagg	tttgaatac	tgtagaaagg	agagtgggca	gagccagagt	gaggtgtctg	60
aagcttgtcg	cacaggcagt	gggaagggtg	ggttgagggt	ttctgagcac	cagaaaactt	120
tgagcattgt	tccggaagag	gcaagcggca	ggcatctgca	ccagagacac	tgccgggtcc	180
gagcgagggc	ag					192

<210> 33453

<211> 180

<212> DNA

<213> Homo sapiens

001220" 6667560

<400> 33453

ccttctagat aatagccatt ttaatgggta tgaggttggt aagtagtaat gttttttag	60
tgggccagtt ttactcattg atttgacagg attttaaaga gatcagttgt ctgaaataag	120
acgtgaatgt tacatgagag ataaatgttt tcagacacta gaaaatcgca atgccaacga	180

<210> 33454

<211> 142

<212> DNA

<213> Homo sapiens

<400> 33454

ggaaagcatg ttacggaatc agagttacaa tttagttarc tctaggatta tgacacaatt	60
tcaataatag aggagccca gaataatagc caagtwaata gaatccctaa tctttggctt	120
gttcatatat ttaccaacg tc	142

<210> 33455

<211> 238

<212> DNA

<213> Homo sapiens

<400> 33455

caaagtactg ctcttgctcc ccaggttga gtgcagtggc acgatctcgg gtcactgcgg	60
cctccgcctc ctgggttcaa gcgattctcc tgccctcgcc tcctgagtag ctgggattac	120
aggcacctgc caccatgccc ggcgaatttt tgtatgttta gtagagacag ggtttcatca	180
cgttggccag actggtctcg nctcctgac agcaggtgat cagcctgcct cagcctcc	238

<210> 33456

<211> 118

<212> DNA

<213> Homo sapiens

<400> 33456

ctgggatttt cattgttcag taaggaagca gtgttctaca tttcactgct taatcatttt	60
aattgatctt atagtcagaa atatggatct ggtagcccca catggaaaca gccggatc	118

<210> 33457

<211> 121

<212> DNA

<213> Homo sapiens

<400> 33457

gtatttccgc gggcgctgag cactagagag agcgtcttgt ggctgcggca gggcccagag	60
agtgggtcttc ccaagaacct ctggtggcct cccaaggccg gtgctgtgta cctcctcacc	120
c	121

<210> 33458

<211> 111

<212> DNA

<213> Homo sapiens

<400> 33458

caaaactgag agggatagga aagaaaaact tatccaggaa ggaaaattgg atcgaacatt	60
tcacctctca tattaagtct ggcaatgatg actatatgta ttcttgccat c	111

<210> 33459

<211> 175

<212> DNA

<213> Homo sapiens

<400> 33459

tgcagcccg	ggcctggg	acgaggagt	gaagcagttg	ggcatcagcg	ccacagggca	60
ccggaacgc	attctacgcc	tgctacagac	aggcaccgaa	gagggctccc	tggatcccaa	120
atcagatagt	gccatggaac	catccccag	cccagccccg	caagcccagc	ccgca	175

<210> 33460

<211> 94

<212> DNA

<213> Homo sapiens

<400> 33460

tgaaagacag	aaaaaaggag	tttgaggagc	tcattgactc	caaccacgac	ggcatcgtga	60
ccgccgagga	gctggagagc	tacatggacc	ccta			94

<210> 33461

<211> 94

<212> DNA

<213> Homo sapiens

<400> 33461

ttctgatgag	tccagaaaac	tacgttttgt	cagtagcaat	acactaggca	gtaaaatata	60
tttagaattt	taacattgtg	tgccagtgg	cctc			94

<210> 33462

<211> 225

<212> DNA

<213> Homo sapiens

<400> 33462

tatcttttgt	ttccaaaccc	agagaaggaa	gagtaactgg	cttcttctgt	gtgtgggtac	60
attgtgtctt	attggagatt	gttttgtctc	aagtattkgc	tggcaragta	tttkattaat	120
gggtgcactt	taaaattttt	tgtttttcag	actaccagtt	taggtagccc	agtactcaat	180
atttgccaat	ttctagaatt	aaaaacatgt	atgaatcact	ggcca		225

<210> 33463

<211> 178

<212> DNA

<213> Homo sapiens

<400> 33463

aaagcttttg	ggtggagctg	aagcacactg	cttattaaag	tacactattc	aggcatatca	60
tgtaggttta	ctttctgtgt	ttctagagac	caagaagcgg	gacgttcacc	atgggaagaa	120
aatcgctgta	ccttctgatt	gtggggatcc	tcatagcata	ttatatttat	acgcctac	178

<210> 33464

<211> 98

<212> DNA

<213> Homo sapiens

<400> 33464
 aacacaggct gagcagtcag gccacagca tctgaccca ggcccagctc gtccctggctg 60
 gcctgggtcg gcctctggag tatggctctgg csggtrcc 98

<210> 33465
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 33465
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 taaatttttt aaattacttt aaattctacc acgc 94

<210> 33466
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 33466
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 aaacatggcc taaataacca rsatvsgatt tacatrkwma gtttcasact accttattac 120
 caaaa 125

<210> 33467
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 33467
 acatgggttt ggctatggct tgactcatgg gctttcagtg cttttttcca tttgttgaaa 60
 gtaacatttc tctctctctc tctttttttt ttttttttt t 101

<210> 33468
 <211> 93
 <212> DNA
 <213> Homo sapiens

<400> 33468
 agggcgcac tccggagact cgcgggttgc acgcgcacca tggctggagc ctccggacgg 60
 gcccggtctc wmgacgtgcg ctctcgcgag gat 93

<210> 33469
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 33469
 cctactagat tggctactgt tcttagtctt tttagtagac aaagctagga agtatgtttc 60
 atctgt 66

<210> 33470
 <211> 213
 <212> DNA
 <213> Homo sapiens